(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF	KNOWN)						
	Address						
	- Chromosophorodynanian-up		Control of the Contro				
GEOLOGICAL TARGET FORMA Estimated depth of c Approximate water st Approximate coal sea Is coal being mined	ompleted wel rata depths: m depths: N	1540 Fresh	NONE	feet;	ry_x / Cab salt, <u>NONE</u>	le tools feet.	/
TUBING TYPE	AM ECIFICATIONS Weight per ft Ne		For Dril	- Left in	CEMENT FILL UP OR SACKS Cubic ft.		KERS
Conductor 11 1/2			300'		To Surface	Kinds	
Fresh water Coal		-	-			Sizes	
Intermed. 8 5/8	+		 	1900'	CTS	Sizes	
Production 4 1/2				5000'	140 Sacks	Depths	set
Tubing					Or thru		
Liners			-	-	salt sand	Perfora Top	
			-			Тор	Bottom
Form IV-9, "Reclam 822-4-12b and Regrequired by Code 822-4-8a from the posed well. A separate Form I where fracturing a sought and is noted. THIS PERMIT MUST BE POSTED AT ALL PROVISIONS BEING IN ACCOUNTY ARTICLE 4 OF THE W. VA. CODE, APPROVED FOR drilling IF OPERATIONS HAVE NOT COME.	822-4-12a, and owner of any V-2 shall not or stimulating as such on THE WELL SITE. DRDANCE WITH THE LOCATION THIS PERMIT	(iv) un nd (v) y water t be rec ng is to i the Fo	less previf application well or quired for part orm IV-2 22,	iously parable, the dwelling was fracture of the wo	id on the sa consent requ within 200 fo ing or stimu ork for which	me well, uired by eet of the lating a	the fee Code he pro- well
The following wait or coal lessee who is to be issued wo. The undersigned coal opelocation has examined tharea of the well location well operator has complicate governing regularions. Date:	rator / or is proposed or n, the well to the work	where well location propose	claration days of r VER lessee cation. n has bee d to be d	under Codeceipt the	de \$22-4-20, ereof: the coal und map exists to the mine mine mine mine mine mine mine min	if the per this which coap. The	well vers the under- d the
*							
andre .	No Fee	В	y:	2014			
		It	S:	260 1954			

(Revised 3-81)



	No. R-102	
Farm	W. D. Shields	5
API #	W. D. Shields 47 -085 - 5963	

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL P	ERMITAF	PLICATION
WELL TYPE: 011 x / Gas x /		
(If "Gas", Production X / Unde	rground storage	/ Deep X / Shallow /
LOCATION: Elevation: 891 Watershe	d: Layfields Run	
District: Grant County:	Ritchie Qua	adrangle: Schultz, 7 1/2
WELL OPERATOR Richards Energy, Inc.	DESIGNATED AGENT	C. W. Richards
Address P. O. Box 3 Belpre, OH 45714	Address	2005 Foley Drive
OIL AND GAS		Parkersburg, WV 26101 (304) 428-3121
ROYALTY OWNER W. D. Shields Heirs	COAL OPERATOR	
	Address	
Acreage 32		
32	COAL OWNER(S) WI	TH DECLARATION ON RECORD:
SURFACE OWNER W. D. Shields	NAME	NONE
Address Rt. 1.	Address	
Acreage 32		NOVE
nereage 32	^ 1 1	NONE
FIELD SALE (IF MADE) TO:		
NAMEN/A	COM LECCEE WITH	DECLARATION ON RECORD:
Address	NAME	
	Address	
OIL AND GAS INSPECTOR TO BE NOTIFIED:		DIE CELVEII
NAME		11/11
NAME Samuel N. Hersman Address P. O. Box 66		OCT 0 0 1982
Smithville, WV 26178		001 0 .001
Telephone (304) 477-3597		OIL & GAS DIVISION
		DEPT. OF MINES
The undersigned well operator is entitle above location under a deed / lease x to the undersigned well operator from	/ other contract	
(If said deed, lease, or other contract has	been recorded:)	
Recorded on, 19, in the off	ice of the Clerk	of County Commission of
Ritchie County, West Virginia, in (1) requested as follows:	Lease)105 Book at	page 49 . A permit is
PROPOSED WORK: Drill $_{\rm X}$ / Drill Deeper Plug off old formation Other physical change in	/ Redrill / Perforate new well (specify)	/ Fracture or stimulate / formation /
planned as shown on the	work order on th	e reverse side hereof
The above named coal operator, coal owner(s) objection they wish to make or are required Department of Mines within fifteen (15) days Copies of this Permit Application and the enmailed by registered mail or delivered by have er(s), and coal lessees on or before the day to the Department of Mines at Charleston, We	, and coal lessee to make by Code § after receipt of aclosed plat and r and to the above n of the mailing o	are hereby notified that any 22-4-3 must be filed with the this Application by the Dept eclamation plan have been amed coal operator, coal owner delivery of this Application
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	The state of the s	ARDS ENERGY, Inc.
WEST VIDGINIA OIL AND CAS		Operator
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION BY	: C, N.	Kunanda
1613 WASHINGTON ST., E.		
CHARLESTON, WV 25311	S: President	
T-11	DIANT DONG	
BLA	ANKET BOND	



1)	Date:	Ju	ne	6,	, 1983	
2)	Operator's		-	01 1 1 1	D 400	
	Well No	W.	D.	Shields	- R-102	

County

Permit

5963Renewal 47 085 3) API Well No.

State

DRILLING CONTRACTOR:

			D	EPAR	TMENT O	F MINES, OI	LAN	D GAS DIVISION	One by office NO	halliff ad o'T o'E'
tee in aduced.	edolake vo	2889 TG		OIL	AND GAS	WELL PERM	TIN	APPLICATION	source brigation a	decimination (Adv. mean
secollo-morals	of pendent		nt ton si	19, 7534	aw bas a	iomora per	O. Maria	ordinary great	h liquid form es	i liev out ta
4) WELL TY									i introduction is	
	B (If "	'Gas'', Pr	roduction	X					_/ DeepX	/ Shallow/)
5) LOCATIO			891		shemic)		10 Table 10	Layfield		LOW MORTENANT
			Gra		n poit i br		The second second	Ritchie		Schultz, 7 ½
6) WELL OP	ERATOR_F						11)	DESIGNATED	AGENT C. W.	
Address	THE RESERVE OF THE PARTY OF THE	The state of the s	rwood-	Bridge Hills of the State	Box 3	101 10 10 10 1111		Address	2005	Foley Drive
		e, Oh	io 457	14	STATE OF THE STATE	of sachtony			ALTERNATION OF THE PROPERTY OF	rsburg, WV 26101
7) OIL & GA		W D	Shiel	de F	loire					428-3121
ROYALTY Address	THE PART OF THE	THE RESERVE OF THE PERSON NAMED IN	CONTRACTOR OF THE PARTY OF THE		, Route	2 1	12)	COAL OPERA	TOR None	off is depended. TA
Address		A CORNER OF STREET	, WV 2			<u> </u>		Address	167532557 001 1116	v Natarana
Acreage		32	, ,,,, ,	.0337						
8) SURFACE		W. D.	Shiel	ds			13)		SECURITY OF STREET CONTRACT OF STREET, SALES FOR STREET	RATION ON RECORD:
Address		Route			45.7	(ided		Name	None	092 1 (585) 1 (6
ridaress			, WV 2	6337		No.		Address		To any live of the control of the co
Acreage		32							None	TOTAL STATE OF STATE
	LE (IF MADI	F) TO:						Name	None	T. 8001 1005 (11
Address								Address	ne arrest II wites	enchience /
Tada ess								COAL LEGGER	WATER DECK 15.	ing ret y so
10) OIL & GAS	SINSPECTO	R TO BE	NOTIFIE	ED			14)		17	TION ON RECORD:
Name			Hersma					Name	None	Ca sea A (11 8 E)
Address	D O			Mpar	90 300 ili	uar S. VALIDEI		Address	will be attenue	TEN WORKS UND
garroc cours	Smith	ville	, WV 2	6178	Hours Tre	Mow situal		trad of all and	SECTION NO SECTION	WEST SERVE
15) PROPOSEI	D WORK:	Drill	X /	Drill	deener	/ Ped	-:11	Diwars, II	ture or stimulate	1.71 mgoT
		Plug off	old form	nation		/ Perforate	new	formation	dre or stimulate	
		Other ph	vsical cha	nge in	well (specif	v)	ne w	Tormation	7 3 3 3 3 5 5 6 7	
16) GEOLOGIC	CAL TARGE								A STATE WAS BEEN	The part of the state of the st
	ted depth of co		the second of the second of the second	to a second	And in case of the last of the		asa	OHLSI DON N	Saverfacti respect	a straites(T - 1911 - 1
18) Approx	kimate water s	trata dept	hs: Fresh	n,	None	141 feet:		None	feet.	
	kimate coal sea				+=			COLUMN TO THE PROPERTY OF THE PARTY OF THE P	rea? Yes	
20) CASING A	ND TUBING	PROGR	AM							, 110
Course Source	32 6A - 63								seing programs	(20) Proposition
CASING OR TUBING TYPE		SP	ECIFICATIO Weight	NS	1	FOOTA	GE IN	ITERVALS	CEMENT FILL-UP	PACKERS
a <u>jož inestir g</u>	Size	Grade	per ft.	New	Used	For drilling		Left in well	OR SACKS (Cubic feet)	Account the
Conductor	11-1/2						100	that has all the	ir moreal bearing	Kinds
Fresh water	3 19-5/6	na mina	Agoria.	Mark 1	Pall No	200	01133	200	CTS	by Ruk 15=0
Coal	Market State of	series to	The street	0.00	A THE REAL PROPERTY.	entre service	- i W	araclas - ha	The Real Lead Firms	Sizes
Intermediate	8-5/8			X	Sin loc	1200'		12001	CTS	
Production	4-1/2	organia"	Anidai vė	X	100 71 55	5400'	5	40 Sacks o	r as reg'd	Depths set
Tubing			1000					y Rule 15.		
Liners			ting, in		rising so	a I shall	(2) Te	official and a	- Tarrestant and Tarr	Perforations:
-	4 4 4 4 4									Top Bottom
		7 12						1030	A STATE OF THE CONTRACT OF	12 3000 162
that search	W 7 14	25/11/05	roottes	da se	no and to	di Pulihera y		M to have me	ad add to to the	de keep for
1) EXTRACTION		orse va			real profes			n bainscason	Val. Imputation ()	diffice he
	rovide one of								A vel badhasare	arrant sus
Includ	led is the leas	e or lease	s or other	contin	uing contra	ct or contracts	by v	which I hold the i	right to extract oil o	r gas.
The state of the s	equirement of	Code 22	-4-1-(c) (1)	throu	gh (4). (See	e reverse side f	for sp	ecifics.)		
2) ROYALTY I	extract prod	uce or m	arket the e	,	F stoplet	AS LOWE VAN		urus, all ross		
similar provi	sion for com	pensation	to the ow	mer of	the oil or	n a lease or oth	ner co	ntinuing contract	or contracts providi	ing for flat well royalty or an
P. C. C. C. C.	mid Rocod.	C2	INO L							
f the answer abo	ve is No, noth	ning addi	tional is no	eeded.	If the answ	er is Yes, you	may	use Affidavit For	rm IV-60.	the dament
3) Required Co	pies (See reve	rse side.)								
named coal	s Permit App	lication a	and the end	closed	plat and rec	lamation plan	have	been mailed by		
A STATE OF THE PARTY OF THE PAR	arleston, West	OHITCI (9)	, and coar	lessee	on or befor	e the day of the	he m	ailing or delivery	of this Permit Appl	lication to the Department o
	areston, west	v ii giiii a	•							
Notary:			CARLEST AND	A VO j	THE WIFE		Si	gned: RICHA	RDS ENERGY,	INC.
My Commissio	on Expires	HIMEYI, B	putta mil	25 26	101115(. \$11			Its:	I tech	ards_
								Agent	10000000	NATAL COLYCLOS

OFFICE USE ONLY **DRILLING PERMIT**

47-085-5963-REN. Permit number

July 7

Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

March 7, 1984 Permit expires unless drilling is commenced prior to that date and prosecuted with due diligence. Bond:

Agent: Plat: Fee 01 1096

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas and the same a
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
 - The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

in announcement and control of the c

auty of recorpt and a	YINC	OFFICE USE	
1.5 The second of the Latter and the second of the second	RMIT	WAIVER HAG	######################################
dded to the mine man. The undersign	ed has no objection	to the work propo	of the coal under the well location has ex- ea of the well location, the well location has been osed to be done at this location, provided, the well ia Code and the governing regulations.
Proclass date and masecutes with our difference		5 explay	Permit expires
John I II	The state of the s	Tee .	Sal Sal Sal Sal

Date:

M IV-60 (6-82)

RECEIVED



DATE: 10-6, 19 82

OPERATOR'S

WELL NO.: R -101 + R-102

API NO: 47 - 085 -

State County Permit

OCT 6 - 1982 OIL AND GAS DIVISION WOLF ARTMENT OF MINES

State of Mest Nirginia

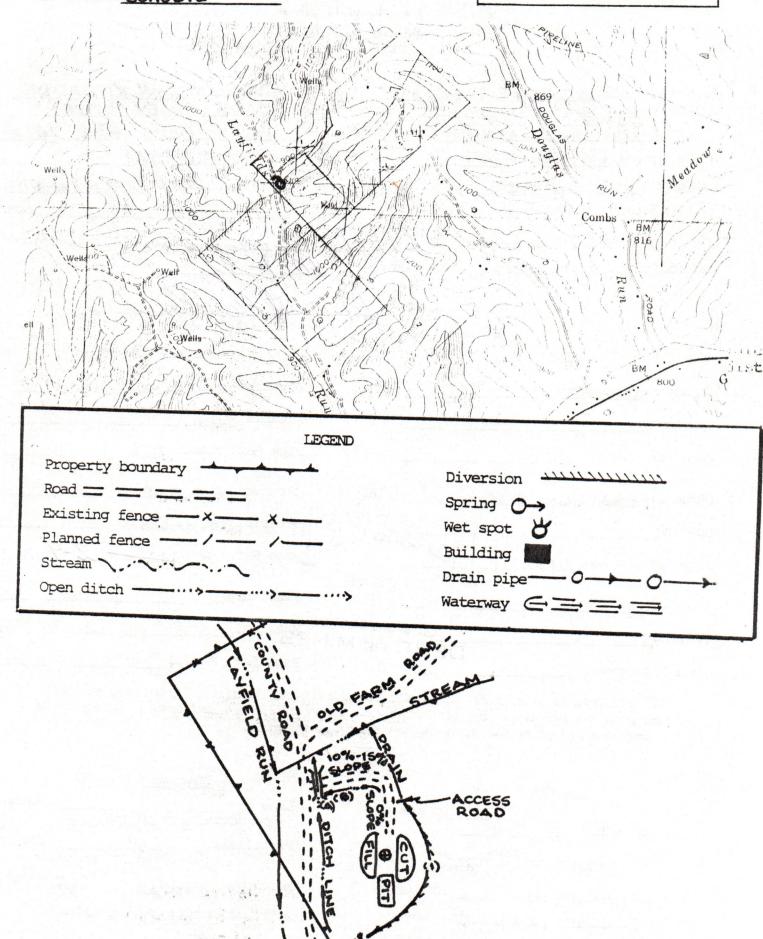
OFFICE OF OIL AND GAS DEPARTMENT OF MINES

AFFIDAVIT

State of
County of Hanacicha
(the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).
Signed: Council & Morre/ Richards Energy Dam!
Notary: Das G. Semplan
My Commission Expires: March 9, 1992

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGIE SCHULTZ

LEGEND WELL SITE #ACCESS ROAD-



Comments:	1. LENGTH OF ACCESS ROAD 150'.	08/18/2023
	2 BRUSH AND TREES TO BE PILED AT SITE.	
	3	
	4	
	5.	



DATE 20 AUG 1982 WELL NO. R-102

State of Mest Mirginia

API NO. 47 -085 - 5963

HARRISUILB, WVA. 26362

PHONE NO. 304 - 643 - 4572

Bepartment of Mines

Oil and Gas Bivision Construction & Reclamation Plan

	DESIGNATED AGENT C.W. RICHARDS
COMPANY NAME RICHARDS ENERGY INC. ADDRESS SUME 500A CEDARWOOD	ADDRESS 2005 FOLEY DRIVE
ADDRESS SUMESONA CEDARWOOD SYCAMORE ST. PO. BOX 3 BELPRE, OH 10 45714	PARKERS burg, W.VA. 26101
Telephone 64-423-5747	Telephone 428-3121
LANDOWNER W. D. SHIELDS	SOIL CONS. DISTRICT LATTLE KOWANDA
Revegetation to be carried out by	(Agent)
This plan has been reviewed by L, +	tle Kanawhason. All corrections
and additions become a part of this plan:	10-1-82,
	(Date)
	(SCD Agent)
	- 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.
ACCESS ROAD	LOCATION
Structure CULVERT (A	Structure DIVERSION DITCH (1)
Spacing 12"	Material Soil
Page Ref. Manual 2:7	Page Ref. Manual 2:12
Structure DRAINAGE DITCH (F	Structure RID-RAP (2
Spacing DECE	Material ROCK- LOGS
Page Ref. Manual 2:12	Page Ref. Manual N/A 2-9
OCT OF	1982 c) Structure (3
Structure	
Spacing DEPT. D	F MINEU.
Page Ref. Manual	
This are to be for the state	egularly and repaired if necessary. All cked and all brush and small timber to be
cut and removed from the site before a	the work begins.
REV	EGETATION
Treatment Area I	Treatment Area II
Lime Tons/acre	Lime Tons/acre or correct to pH 6.5
or correct to pH 6.6	Fertilizer 500 lbs/acre
Fertilizer 500 lbs/acre (10-20-20 or equivalent)	(10-20-20 or equivalent)
Mulch HAY OR STRAW 2 Tons/acre	Mulch Hay or STEAW 2 Tons/acre
Seed* Ky 31 TALL FESCUE 40 lbs/acre	Seed* Ky 31 TALL FESCUE 40lbs/acre
Red Top 5 lbs/acre	REA Top 5 lbs/acre
Buds For TRE Foil 10 lbs/acre	Bieds FOOT TRE FOIL 10 lbs/acre
lbs/acre *Inoculate all legumes such as vetch,	
Inoculate with 3X recommended amount.	08/18/2023
in the state of	PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.
NOTES: Please request landowners'	ADDRESS 106 NORTH SPRING STREET
cooperation to protect new	HAPPICHULB. WVA. 26362

seedling for one growing season.

Attach separate sheets as

necessary for comments.

State of West Virginia	- County of	Tile	hie	to-wit:
· Metary Public	of s	aid County of	itchie	do certify tha
Donnal Scott	Attorn	ey for W	H Shield	15
historie, whose name /5 sig				
	1		this day acknowl	edged the same before m
Given under my hand this		day of	Eigles	A. D. 1964
V		CO.	It Aucha	rus /
		Notary Public	Kittline Coun	ty, - flests Va
State of			pires dugust 2	
State of	- County of	7	TATEL TO STRUCK TO SE	to-wit:
2	of sa	id County of		do certify tha
	• •	and		as certify tha
his wife, whose namesig			·	
등에 한 집에 가는 하는 것 같아요. 그 아이들이 하는 그 그 사람들이 안 하는 것 같아 없을 것 같아요. 그렇게 하고 했다.	ned to the writ	ing above bearing date	the	-day of
in my said county. Given under my hand this			this day acknowle	
Given under my hand this		day of		A. D. 19
		Notary Public	Q1	
		My Commission exp	oiresCount	
State of	Countries			
State of	All the residence of the second			
	of sai	d County of		
		and		do certify that
his wife, whose name sign	A. D. 1	og above bearing date the	this day acknowled	day of
Given under my hand this				
		_day of		A. D. 19
		Notary Public	A	State of the same
		My Commission expir	resCounty	,
For and in consideration of the sum of One Do	ollar cash in h			
hereby assigned, transfer, set over and convey all	onat, cash in na	nd paid, receipt of whic	h is hereby acknowledged	·
그렇게 되는 그리고 그는 그를 가는 사람이 되는 그리고 있다. 그런 사람들은 사람들이 되었다면 그렇게 하는 것이 되었다면 그런 사람들이 되었다면 하는데 그렇게 되었다면 그렇게 그렇게 그렇게 되었다면 그렇게 그렇게 그렇게 되었다면 그렇게	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	TO have and to be	14 1	described oil and gas
Taken, subscribed and sworn to before me,	Tables (1986)	CHAPT -	3 to wit the te	(SEAL)
Taken, subscribed and sworn to before me				(SEAL)
Notary Public of Cou	nty	ehia	less.	
	will sucre	, this	day of	A. D. 19
Ay commission expires				
The terror control of the control of the second according the			Notary Public	
and the second of the second o	Salara and the salar and the s			
T B R - C c				The state of the state of
Filledtrance of the Clerk County, W. County, W. 19 Received for 19 Received fo	Z H	011		
Berger	Term, Ten	Dare 100	8	Zo
ar fo	Ten	128		
P. D. C. R.	Term, Ten Years, Number of Acres.	12.1		
admitted of the Cord.		18	I U E	08/18Å2023
	LOCATION	EM =	H Shiel	08/18/2023
	ON CONTRACT	1600	FROM A LE	Form
E III I TO E IN COME		1	1 5	25 R
ord in Court 3 19	Person Age	N. S.	75	Rev.
2 1 2 2 2 2 E			ds 175Ac	
· III 31 : : : 8 Sh	Company of the Company		1co	
4 : : ₹ : ₹ ₫			16	1 11

(Seal)

Form TV-77 Reverse (9-84)

API (Permit) Number	Form Name	Operator's Well Bum
47 - 085 - 5962	W. D. Shields	R-101
47- 085- 5963	W. D. Shields	R-102
47- 085- 6784	W. D. Shields	R-103
47- 085- 6783	W. D. Shields	R-104
47- 085- 6776	W. D. Shields	R-105
47- 085- 5124	Arnold K. Richards	R-20
47- 085- 5121	James A. Wilson	R-21
47- 085- 5193	James A. Wilson	R-22
47- 085- 5194	James A. Wilson	R-23
47- 085- 5198	James A. Wilson	R-24
47- 085- 5201	Arnold K. Richards	
47- 085- 5302	Arnold K. Richards	R-25 R-27
47- 085- 5303	Arnold K. Richards	R-28
47- 085- 5304	Arnold K. Richards	
47- 085- 5305	Arnold K. Richards	R-29
		R-30
Professional Company of the Company		08/18/202



State of West Virginia Department of Aines Oil and Cas Vivision Charleston 25305



Corbon	Daletted Itom	Richards Energy.	Incorporated 410	(the transferor)
Gerbei	r Energy Corpor	ration 19110		(the transferee).
			ting all responsibi	lity for compliance
Ine t	ransieree by Chri	ter 27 Article A 6	of the West Virginia	Code and all rules
		thereunder, for t		
			C. W. Richards	•
ddress)	2005 Foley Dr:	ive, Parkersburg	, WV 26101	•
on file	with the Office	of Oil and Gas.		
	noneferee has bo	nded the said wells	by securities, car	sh, or surety circle
Ine t	ested below by a	mount. effective de	ate, issuing author	ity, and any identifyi
ond Agent	Are one on Fff.	estive July 10, 198	5. issued by the Tra	avlers Indemnity Compar
mber.	Bond No. 052-478	8GG873		
	Bond No. 032 47		0	moration
		(Transferee)	Gerber Energy Con	poracion
		Ву	Janall & Ha	trogy
			Vice President	1 / 20 05
elen su	bacribed and swor	n to before me thi	· 9th day of	July 19 85
of seve Pul	blic Swen x	lettinger		
conty 20	atom express flu	alust 29 19 88		
y comin	Jon dipino Jacque		pi-hards Energy-	Inc.
Transferor)			Richards Energy	hards
Ву	C. W. Kuk			
Its	Partner		President	1, 0, 1985
aken. Bu	bacribed and swo	rn to before me thi	day of _	110
	/	Do Ciples	-	
		The second secon		
lotary Pu				
lotary Pu	sion expires		ACCEPTED	THIS 35 DAY OF JC

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

75 Q. FOAM FRAC

1st Stage: Devonian Shale 3750' - 4017', 240 bbl water, 45,000# 20/40 sand, 15,000# 10/20 sand

2nd Stage: Devonian Shale 3402' - 3701', 292 bbl water, 25,000# 20/40 sand

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top soil and clay	0	50	
Shale and sand	50	290	fresh water @ 80'
Shale - Blue	290	370	
Sandstone	370	405	
Red rock and shale	405	1060	
Sandstone	1060	1100	
Shale Sandstone	1100	1158	
Sandstone	1158	1270	
Shale, gray, soft and Sand	1270	1450	
Salt Sand, white, hard	1430	1530	Show of gos 1450
Sandstone, white, hard	1530	1550	Show of gas 1450
Shale, grey, soft	1550	1607	
Lime, hard	1607	1671	
Shale, soft	1671	2196	
Berea sand, hard	2196	2210	
Shale	2210	2595	
Gordon, soft	2595	2650	
Shale	2650	4400	
T.D.	2650	4400	
grade the event of the	T	4400	
Log tops:			
			efur contrato accuma
Second Salt Sand	1454		
Third Salt Sand	1587	WO SIGH YES	Show of gas 1450
Eroded Big Lime	1604	BO DIGILITIES	Show of gas 1550 6/10 water 1" op
Big Injun	1659	CHAILEDIO M	
Squaw	1792		Show of and 1700 10/10
Pocono Shale	1805		Show of gas 1709 10/10 water 1" o
Berea	2192	abmaya-	
Gordon Stray	2309	A STATE OF THE PARTY OF THE PAR	
Fifth Sand	2580		
the in the interest of the int	2500	t ton the	
L. being mined in the great	ni e	COMMENT OF STREET, STR	

(Attach separate sheets as necessary)

Well Operator	08/18/2023
y: C. H Kecharch	
Date: January 2, 1984	NO LIBERTO

Note: Regulation 2.02(i) rovides as follows:

"The term 'log or 'well log' shall mean a systematic detailed geological record all formations, including and, encountered in the ang of a well."

IV-35 (Rev 8-81)

State of Mest Airginia Well No. R-102 Bepartment of Mines Gil und Gas Bivision

Date January 2, 1984 Operator's W.D.Shields API No. 47 -085 5963

OIL & GAS DIVISION DEPT. OF MINES WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	Elevation:	891'	_Watershed	Layfiel	l d	- FOLEUG	- (lounglast) i
	District:	Grant	County	Ritchie	Quadrangle	Schul	tz
	ando da como de a			he de la		- 1 (1) (1) - 1 (1) (1) (1)	
OMPANY	Richards Energ	v Company	V				nd - est. Governo
	P. O. Box 3, Be			Casing	Used in	Left	Cement
ESIGNATED	AGENT C. W.	Richards					fill up Cu. ft.
DDRESS	2005 F Parker	rsburg, Awy	26104	Size		Paris	concluded at
	NER	wurte	98	20-16		while, has	gener isc
ADDRESS			16001	Cond. 11-3/4" 13×40*×	318 ft.	318 ft	150 sxs
INERAL RI	GHTS OWNER		TyaL .	9 5/8			office and the
DDRESS_				8 5/8	1879 ft	1979	175 sxs
DIL AND GA	AS INSPECTOR FO	OR THIS W	ORK	7	10/9 11	10/3	D AMERICAN
	ADDRESS_		ocas L	5 1/2			100
PERMIT ISS	SUED		15000	4 1/2	4373	4373	345 sxs
DRILLING C	DOMMENCED_	11-14-83			43/3		
DRILLING (COMPLETED	11-19-83		- 2	1	100	
	ABLE: PLUGGIN					2011	11, 11, 11, 11
	PROGRESSION VERBAL PERM			Liners			No. of the party
	L TARGET FORMA	TION	Alexander	7011	Dep	th 5400	fee
	h of completed						
Dept	r strata depth						
							area? No
Water							
Water	seam depths:						
Water Coal OPEN FLOW	seam depths:_DATA		nian Shala	Pa	v zone den	oth	fee
Water Coal OPEN FLOW Produ	seam depths:_ DATA ucing formation	on Devo					
Water Coal OPEN FLOW Produ	seam depths:_ DATA ucing formation Initial open	on Devo	how Mcf	/d Oil: In	itial open	flow SI	how Bbl/
Water Coal OPEN FLOW Produ	seam depths:_ DATA ucing formation Initial open Final open f	on Devo	how Mcf	/d Oil: In	nitial open nal open f	flow Si	Bbl/
Water Coal OPEN FLOW Produ Gas:	DATA ucing formation Initial open Final open formation	n flow S flow 2 f open flo	how Mcf 02.4 Mcf ow between	/d Oil: In /d Fi initial and f	nal open final tests	flow Silow ho	Bbl/ Bbl/ Durs
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Water Coal OPEN FLOW Produ Gas: Stat.	DATA ucing formation Initial open Final open from Time of ic rock pressur applicable due	on Devo	how Mcf. 02.4 Mcf. ow between psig(suiple comple	/d Oil: In /d Fi initial and f rface measure tion)	nal open final tests	flow Silow hour 72 hour 08/	Bbl/ours urs shut i 18/2023
Water Coal OPEN FLOW Produ Gas: Stat. (If	seam depths:_ DATA ucing formation Initial open Final open from time of the content of the conte	on Devo	how Mcf. 02.4 Mcf. ow between psig(suitable comple	/d Oil: In /d Fi initial and f rface measure tion)	nal open frinal tests ement) after	flow Silow Silow hor 72 hor 08/	Bbl/ Bbl/ curs urs shut i 18/2023 fee
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DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well_

Permit No. 85-5963 REN CASING AND USED IN LEFT IN PACKEDS Siza Address W. D. Shiells Kind of Packer 10 Size of____ District Grant 81/4_ Drilling commenced 11-14-83 6% Depth set____ 5 3/16_ Drilling completed_____Total depth_ Perf. top____ Date shot_____Depth of shot____ Perf. bottom___ Liners Used Perf. top___ Initial open flow_____/10ths Water in___Inch Perf. bottom__ Open flow after tubing _____/10ths Merc. in ____ Inch Volume_ Cu. Ft. CASING CEMENTED____ SIZE____No. FT____Date NAME OF SERVICE COMPANY lbs. hrs. Rock pressure___ bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT_____FEET___INCHES Fresh water_ FEET INCHES_ FEET _INCHES feet INCHES Salt water_ feet FEET FEET____ _INCHES Drillers' Names. Hart Rig #5 Visit location site - Rig on location, drilling - Pitot

Samuel 1

DEPARTMENT OF MINES

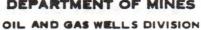
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

MPANY		Commence of the Residence of the Commence of t	ADDRESS	and the second second second second		
and the second s	47 TES					
ling Material Used			128			
ner Lo	cation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	Los
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The state of the s	27746			+	-	
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		in the same of				
lers' Names		A Contragate Anti-Vic		Advisor to the state of		
narks:					. 3	

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES





OIL & GAS DIVISION

DISTRICT WELL INSPECTOR

INSPECTOR'S WELL REPORTDEPT. OF MINES

Permit No. 85-59	<u>863</u>				Oil or	Gas Well	
Company Richar	do Energy		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	10.
Address	00	The form of the state of the st	Size	0			10
Farm W. D. S	Rields		16		\$ 20 miles	Kind of Packer	- 2
Well No. R-102			13			Size of	
District & sant	County Ri	tellie	81/4			Size of	
Drilling commenced //	1-14-83		6%			Depth set	
Drilling completed			5 3/16				
Date shot	Depth of shot		2			Perf. top Perf. bottom	
Initial open flow	/10ths Water i	inInch	Liners Used			Perf. top	
Open flow after tubing_	/10ths Merc. ir	Inch				Perf. bottom	
Volume		Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	_Date
Rock pressure	lbs	hrs.	NAME OF SER	VICE COMPA	NY		796
Oil	bbls.,	1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEETING	CHES
Fresh water80	7 / feet	feet	FEET_	INCH	ES	_FEETING	CHES
Salt water	feet	feet	FEET_	INCH	ES	FEETINC	CHES
Drillers' Names Free	bruck water	ing/c	w. Price	/ Ilne	roon	Coon	
Clint Hurt Remarks: P	Rig # 5	0)	Tool Pus	Des Ros	Ones F	Petten	
Remarks: Ran	318 fort of	8113	"(22)		0	/	
Halle	dieston ras	n 150) socks	cemen	1		
Waiting	g on cement	at tim	e of en	· A			
		et el amit	in lines prosts and i	Teller I Street			
11-15-83				San	nuel,	M. Hersman	-

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

mit No					l No		
MPANY			ADDRESS				
RM	50 ST	DISTRICT.	C	OUNTY			
ing Material Used			8.76				
er Loc	ation	Amount	Packer	Location			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	7	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION LOCATION	RECOVERED	SIZE	LOST	
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		and the second s	man and the second of the second	Figure over him constitution	3		
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	ALLEA CERGIN	DODAS SAA					
		and the second second second second					
lers' Names						de verse and a	
narks:							

I hereby certify I visited the above well on this date.

BATE



OIL & GAS DIVISION

DEPT. OF MINES

Darmit.	No. 8	5-	5	96	3
- Greenis	140.	The same of the sa	-	-	and the said

Company Richa	Lo Ener	24	CASING AND TUBING	USED IN DRILLING	LEFT IN	PAC	CKERS
Address	0		Size				
FARM W. D. SA	ields		16	and the way park		Kind of Pa	acker
Well No. 8-102		and the second second second	13				
		0 1 1	10		a weed to the con-	Size of	
District & rant	County	itchie	81/4		Marketine (
Drilling commenced	A STATE OF THE PROPERTY OF THE	and the same of th	6%			Depth set_	
			5 3/16				
Drilling completed	Total dep	oth	3			Perf. top_	
Date shot	Depth of shot		2		Caraman de dis	Perf. botto)m
Initial open flow	/10ths Wat	er inInch	Liners Used		***	Perf. top_	in a resembly
Open flow after tubing	/10ths Mer	c. inInch				Perf. botto	om
	W N C W P C C C C C C C C C C C C C C C C C	and the state of t					
Volume			CASING CEMEN			No. FT	Date
Rock pressure	lbs	hrs.	NAME OF SERV	ICE COMPA	NY		
Oil	bb	ols., 1st 24 hrs.	COAL WAS ENC	OUNTERED	AT	_FEET	INCHES
Fresh water	feet	feet	FEET_	INCH	ES	_FEET	INCHES
Salt water	feet	feet	FEET	INCH	ES	_FEET	INCHES
Drillers' Names		Commenced and a commenced and the commenced and			p = - 12 124		
Dimers Names							
Remarks: Make sp Alvin Reed		A.	1 . 4 1	1	1.0		4
00	2 to	Descen of	sur of n	equest	of days	r opera	Ker

Samuel M. Haragon Martiner Well INDIFFERTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	, 0			Well No.					
COMPANY			ADDRESS						
FARM		DISTRICT	And the second s	OUNTY	122				
Filling Material Used			naid to the same of the same o						
Liner Loc	eation	Amount	Packer	Location	-03				
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING			
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	and the second								
Drillers' Names		14.		, , , , , , , , , , , , , , , , , , ,					
				American constitution of the state of the st	. 8				
Remarks:					1				
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			aparte of an		01				
		le on re	The state of the state of						
BATE	I hereby certify I	visited the above	re well on this date.						

DISTRICT WELL INSPECTOR





Department of Mines Gil and Gas Division

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT November 8, 1984

COMPANY	Richards Energy Company	PERMIT NO	085-5963 (7-07-83
P. O.	Box 3	FARM & WELL N	0 W. D. Shields #R-102
Belpre	e, Ohio 45714	DIST. & COUNT	Y Grant/Ritchie
		I	N COMPLIANCE
RULE	DESCRIPTION		ES NO
23.06	Notification Prior to Starting Work		V
25.04	Prepared before Drilling to Prevent	Waste	
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste	e	
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gather	ring Pipelines	
16.01	Well Records on Site		
16.02	Well Records Filed		<u> </u>
7.05	Identification Markings		
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND THAT	IT BE RELEASED:
		SIGNED Same	ul M. Hersman
		o I on Lo y Jana	CG ///
		DATE <u>9-/7</u>	-85
with Cha	I record was received and reclamation upter 22, Article 4, Section 2, the above for the life of the well.	requirements approve well will re	proved. In accordance main under bond
		Administrator	-Oil & Gas Division
		September	30, 1985
		DA'	re

08/18/2023

HALLIBURTON SERVICES JOB SUMMARY FORM 2025

HALLIBURTON POTTS BURGH, Pu

HALLIBURTON LOCATION JESTON, WU

BILLED ON 4/3299

	FNOR	an 6	RAde			WEL	L DATA			ROT	7.190	STATE	wi.
FIELD	1-711		· ·				RNG.	NEW	COUNTY	SIZE	FROM	TO TO	MAXIMUM PSI
	N NAME			TYP			-	USED					ALLOWABLE
							CASING	N	Ha th	1138	K.B.	3/8	300
	The second second second				The Park of the Pa	MCFD	LINER		5 08	- 100 mm		1-49-bit 1-4	2/11.
						MCFD	TUBING			Charles of the			SHOTS/FT.
COMPLETI	ON DATE	200	MUD TY	PE	_MUD W	т	OPEN HOL			21	No. of the last of		SHOTS/FT.
PACKERT	YPE			SET A	т		PERFORAT						
				PRESSURE _		2 1-	PERFORAT		0079327				
MISC. DAT	TA			TOTAL	DEPTH_	19	PERFORAT	IONS	14 Sec. 15				
		Tools	ALD A	FCCODIFIC		JOE	CALLED	UT	I ON LOC	ATION	JOB STARTE	D JOB	COMPLETED
			AND ACC	ESSORIES			DATE ! !-!				DATE//-/		re/1-15-83
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FLOAT CO	LLAR						TIME /3	100			TIME OH		E04149
FLOAT SH	OE				47		The state of the		PERS	ONNEL AN	D SERVICE	UNITS	
GUIDE SH	OE /134'	*		/	HO	wco		The state of the state of	NAME		UNIT NO. &	TYPE	LOCATION
CENTRALI	ZERS				100		0.60	na	ETT		12	la lise	770 M, WO
BOTTOM F							1		100				11011
TOP PLUG	117/1 5		1000	/	Ho	IN CO	R.B.	WA	rd		HT- 15	THE RESERVE OF THE PARTY OF THE	
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FLUID LO	SS ADD.TYPE	1000	GAL.	-LB.	IN	<u> </u>	- Marine		Cos	3/8	1134	1"009	
GELLING .	AGENT TYPE	a School	GAL.	-LB.	IN		27.1	4-1		A COLUMN		0	
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BREAKER	TYPE		GAL.	-LB.	IN		JOB DONE T	HRU: T	UBING D	CA	SING D	ANNULUS -	TBG./ANN.
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HALLIBURTON SERVICES JOB SUMMARY FORM 2025

TYPE AND SIZE

TOOLS AND ACCESSORI

MATERIALS

FORMATION NAME

FLOAT COLLAR
FLOAT SHOE
GUIDE SHOE
CENTRALIZERS
BOTTOM PLUG

HEAD -

OTHER TO

HALLIBURTON	P. Asbu	ngk	MA					
HALLIBURTON LOCATION	Woston	4	40		BILI	LED ON KET NO.	67	9549
W SEC. TWP.	ELL DATA		COUNTY	Retchi	e	STAT	- 6	W
		NEW	WEIGHT	SIZE	FROM	тс		MAXIMUM PS ALLOWABLE
то	CASING	11	23	8%	K-8	1889	7	550
AS MCF	D LINER	7						
ASMCF	TUBING							
_MUD WT.	OPEN HOLE							SHOTS/FT.
T	PERFORAT							
10.3	/ UPERFORAT					7		
рерти 1913	IOB DATA	IONS						
	CALLED OL	JT	ON LOC	ATION	JOB STARTE			COMPLETED
MAKE	DATE	-83	DATE	-17-13	DATE 1-17	-65	DAT	41-17-23
2 2 2 7 2 1	TIME 7.0	0	TIME!	2.30	тищ2.55		TIME	3:45
			PERS	ONNEL AN	D SERVICE	UNITS		
11 - 2	11		NAME		UNIT NO. &	TYPE		LOCATION
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Howro	R. W. W.	ha			3926		(Janes	41-
Howin	V. Day Card	a grant			B-150	1		1
1 www	C. Burk	haa	+		1609		11	
Howio	The same				T, D.		11	
	S.W.181	Inc						
LB/GAL. OAPI	1- 4				Section 1			
LB/GAL. API								
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IN	JOB DONE T	HRU: T	UBING L) CA	SING	ANNULUS		IBG./ANN. L
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тү	REPRESENT	ATIVE	0/			我了	The last	
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anche b								

						CEMENT DATA					
STAGE	NUMBER OF SACKS				BULK	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.			
	175	541	A	Houro	B	2% lack "11# Flocate	1,18	15,6			
							1 5	经主选生			
		0					-				
						The state of the s					
						Volume					
PRESSURES IN PSI					SUMMARY VOLUMES PRESLUSH: BBLGAL. TYPE	TYPE					
BREAKDOWN MAXIMUM			MUMIXAI		LOAD & BKDN: BBLGALPAD: BBL.						

DISPLACEMENT PRESLUSH: BBL.-GAL.

BREAKDOWN MAXIMUM LOAD & BKDN: BBL.-GAL.

AVERAGE FRACTURE GRADIENT TREATMENT: BBL.-GAL.

SHUT-IN: INSTANT 5-MIN. 15-MIN. CEMENT SLURRY: BBL.-GAL.

HYDRAULIC HORSEPOWER TOTAL VOLUME: BBL.-GAL.

AVERAGE RATES IN BPM

PRESLUSH: BBL.-GAL.

PAD: BBL.-GAL.

TREATING_____OVERALL

CEMENT LEFT IN PIPE
REASON SAGE JOINT

08/18/20

CEMENTING	G SERVI	CE REP	ORT				Dowe					TREATMEN		BER	,		DAT	TE NO	1983	
DWL-496-N PRINTI	DOWELL DIVISION OF DO AN OPERATING UNIT OF THE DOV				OOW CHEMICALS W CHEMICAL COMPANY			STAGE DOWELL DISTRIC			RICT	1								
WELL NAME AND I	NO.	(LEGAL)		RIC	G NAME:															
WD SI	relds	# 1	102	La	y Field	Run		WE	ELL DATA:	irts	Nig		вотт	ОМ				TOP		
FIELD-POOL FORMATION									IT SIZE 728	3 (CSG/LIN	IER SIZE	443							
COUNTY/PARISH	ant D	set		STATE	Shale	AP	I. NO.		OTAL DEPTH	WEIGH	14.7									
R	le his			W.	1/2		913	1	ROT CABLE	FOOTA										
8117		MUD TYPE GRAD																		
NAME Richards Energy									BHST THREAT				8rd							
AND					FOOTAGE JOINT(S) 43 74							TOTAL								
						/		MUD VISC. DISP. CAPACITY 9.5 NOTE: INCLUDE FOOTAGE FROM GROUND LEVEL TO HEAD IN DISP. CAPACITY												
ADDRESS								TAG	TYPE DOWN // Lol. h. in TYPE DEPTH TYPE DEPTH DEPTH											
SPECIAL INSTRUC	TIONS				ZIP CODE					DEPTH 4274 P DEPTH										
SPECIAL INSTRUC	Cen	ent 4+	2 40	14 3	735 sks	Lighth	Pight 5	SHOE	TYPE		Dowell Flagger. Floor							-		
uffe	70 Salt	110	3k We	LITE	110 5	t. BF	cap	_	DEPTH 43/4 DEPTH							-				
	10123	k Ke	1.17 E						DOUBLE	☐ TBG		□ D.P.	-	TYP	E	SQUE	EEZE JOB			
								\neg	DOUBLE SIZE TYPE SINGLE WEIGHT DEPTH											
									□ SWAGE □ GRADE			TAIL	PIPE	PIPE: SIZE — DEPTH —						
									KNOCKOFF	OFF THREAD		-	TUBING VOLUME			E		Bbls		
				_					OP # R D W		V 🗆 US	ED -			VOL. BEI	LOW TO	OL		Bbls	
PRESSURE LIMIT		200	O PSI	BUMPP	LUGTO 100		age PS	BC	OT DR DW	DEPTH					TOTAL Bbls					
ROTATE		RPM RECI	IPROCATE -			OF CENTRAL	LIZERS 2		APRIVE ON LOC					VOLUM				Bbls		
TIME	PRESSURE VO			DLUME JOB SCHEDULED FOR TIME: O 9 CO DATE: 1/- 2 C					711111112 011 200111011							300 DATE: 1/20-83				
0001 to 2400	TBG OR D.P.	CASING	INCREMEN		INJECT RATE	FLUID TYPE	FLUID DENSITY				SERVIC	VICE LOG DETAIL								
livo								PRE-	JOB SAFETY	MEETIN	G									
1148		0	77	7	6	H20		P.	1/2	0		provided to								
Thie		0	70	37	6	CW		Pina Classia												
111-14		0	5	32	5	HNO		Pi	in Ha	0 5	0000	-								
116/		0	97	129	6	Cen		Puna Comet Sus#1(1 interest) Su# 2 (RFC)										()		
1214		0	-	, recipiosis.	-			Shut down Flush lines drop also												
1215		0	69.5	199	6			Dia	Displace plug											
					4			5/	ou rate	ah	low	50 B	6/1	13						
1230		1000						Plus Set												
1231		0						Blead-back, latelin holds												
														198						
						- 5												A STATE OF		
								7	-1-1	-		- 17		A		11	1			
								1	Agaks	for	-	callin	9	V	OWE	11.				
				100														-		
REMARKS																				
HEWARING																				
CVCTEM	I NO OF	VIELD	<u> </u>			201	4DOOLTION	050	EMENITING C	VOTEMO						L		JRRY MIX		
SYSTEM	NO. OF SACKS	CU. FT/S	SK		COMPOSITION OF CEMENTING SYSTEMS BBLS 61 B61								DENSITY							
1.	235	1,73	100	hthe	12/2	1 10%	Salt a	VOL 10 34 KOLITE 348h1 14								14 116				
<u>2</u> .	110	10/2	1/1		413 4	4 10	25K A	-	175								1 111			
4.																				
5.																				
6.											-									
BREAKDOWN FLU	JID TYPE				VOLUME				DENSIT		9	SSURE		MAX		000	MIN:	0		
☐ HESITATION S			□ RUN	NNING SQ.	CIRCULATIO	AVE	one PI	gan.	ed o	YES NO		IENT CIRCU	JLATED	TOS	URF. 🗆	YES 🖽	NO		Bbls	
BREAKDOWN	PSI			PSI	DISPLACEMI		69.5	B	Bbls TYPE OIL STORAGE BRINE WATER OF INJECTION WILDCAT									E WATER CAT		
WASHED THRU PERFS Q YES Q NO TO FT MEASURED DISPLACEMENT CUSTOMER REPRESENTATIVE							DOWELL SUPERVISOR													
то то От О									Georga W Wilhelm JR							23				
ТО		ТО			1101 1	MINS					10	e organ	w. I	Vi	ne 1.	m J	/(