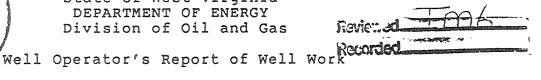


DEPT. OF ENERGY

07-Aug-90 API # 47- 21-04886

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas



Farm name:

ELLYSON, ODBERT V.

Operator Well No.: DRAKE # 254

County: GILMER

LOCATION:

Elevation: 723.00 Quadrangle: TANNER

District: DEKALB

Latitude: 11700 Feet South of 39 Deg. 0 Min. 0 Sec.

Longitude 6190 Feet West of 80 Deg. 52 Min. 30 Sec.

Company: RAMSEY, VAN D.B.A. RAMSEY

P.O. BOX 90

GLENVILLE, WV 26351-0090

Agent: VAN RAMSEY

Inspector: CRAIG DUCKWORTH

Permit Issued: 08/07/90 Well work Commenced: 08/16/90 Well work Commenced:

Well work Completed:

08/30/90

Verbal Plugging

Permission granted on:

Rotary XX Cable Rig Total Depth (feet) 5475

Fresh water depths (ft) 9' to 19'

Saltswater depths (ft) 6230 damp

Isacoal being mined in area, (Y/N)? Coal Depths (ft):

OPEN FLOW DATA

4 1/2	64531	6453' CEIVED	
8 5/8	1013'	1013'	265
Size			
& Tubing	Drilling	in Well	Fill Up Cu. Ft.
Casing	Used in	Left	Cement

and Gas Section

Producing formation Helderberg Lime Pay zone depth (ft) 6340 Gas: Initial open flow NT MCF/d Oil: Initial open flow NT Final open flow NT MCF/d Final open flow NT NT-NOT TESTED Time: of open flow between initial and final tests NT Bbl/d Bbl/d Hours Static rock Pressure 2410 psig (surface pressure) after 48 Hours 5990 Second producing formation Onondaga Lime Pay zone depth (ft) Gas: Initial open flow NT MCF/d Oil: Initial open flow NT Final open flow NT MCF/d Final open flow NT Bb1/d Bbl/d Time_ofmopen flow between initial and final tests Hours Static rock Pressure 2410 psig (surface pressure) after 48

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: RAMSEY, VAN D.B.A. RAMSEY ASSOC. PE

Hours

FORMATION TOPS

Mud0*	to	9' (water 9' @ 1/2" stream)
Sd & Sh9	to	57' (water 19' @ 4" stream)
Sd Sh & RR57	to	1374 *
Little Lime	to	1392
Big Lime1420°	to	1490'
Big Injun1490'	to	1562'
Speechly2746	to	3112'
Balltown3112'	to	3734'
Bradford	to	3746'
2nd Riley3890'	to	4060'
3rd Riley4060'	to	4260'
Benson4260	to	4268 *
Alexander4514	to	4554*
1st Elk4662'	to	4670' RECEIVED
2nd Elk4886'	to	4924' 007 2 2 91
Devonian Shale4924	to	5990'
Onondage Lime5990'	to	6052 to Division of Energy 6052 to Oil and Gas Section
Huntersville Chert6052'	to	6230'
Oriskany Sandstone6230°	to	6340'
Helderburg Lime6340'	to	т.о.
T.D6475†		(gas check 23/10 1" w/w)

6475 6340 (35) explifts

OCT 27 19911

11056

TREATMENT SUMMARY

Dowell Schlumberger performed a CO2/N2/65q foam frac for Ramsey Associated Petroleum on 8/30/90.

The Onondaga formation, perforated between 5998 and 6008

feet, in the Drake #254 well was treated utilizing the following design:

Stage Name	Foam Vol. (BBL)	Foam Quality (%)	Prop Conc (PPA)	Stage Prop (LB)
Prepad	167 Bbl C02	& 240,000 scf o	of N2	
S100	243	65	0.5-1.0	5000
S20	100	65	0.5	2100
S20	114	65	1.0	4800
S20	100	65	2.0	8400
Foam Flush	14	65		
N2 Flush	135,000 scf	of N2		
TOTALS:	738 BBL			20300 LB

Designed injection rate was 15 BPM. Proppant was placed using the stair-step method. Fracture initiation pressure was 4180 psi at 10 BPM after which an average treating pressure of 3800 psi and an average rate of 15 BPM was calculated. A maximum pressure of 4980 psi and a maximum rate of 17 BPM with a final pressure of 4980 psi, before treatment termination, was recorded.

Flush was not pumped as designed leaving 400 pounds of proppant in the tubulars. Maximum proppant concentration placed at the formation face was 2.0 PPA. Total proppant placed through the perforations was recorded as 25,500 pounds with a total liquid load of 285 BBL to recover. Foam volume pumped was 571 BBL including 1,046,350 scf of nitrogen. Instant shutdown pressure was observed to be 4870 psi.

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Division of Energy Day and Gas Section



Ramsey Associated Petroleum



P.O. Box 90 Glenville, West Virginia 26351 (304) 462-5744

COMPLETION REPORT

Holbert Lease

#254

8-29-90

I.L.M. s/r M.I. & R.U. swabbed hole to bottom H.S. M.I. & R.U. ran C.H. Log from 6460' to 3000' and perforated 14 holes from 6398' to 6388'.

8-30-90

I.L.M. s/r swabbed hole to bottom, rigged down and pulled off location. D.S. M.I. & R.U. pumped 625 gal 28% HCL acid, 30 ton of CO2 and 596 mcf of N2 formation broke slow. D.S. pressured up to 5000 psi and surged psi back to 4250 psi pressured up to 5000 psi and surged psi back to 4250. End of 4760, ISP 4960, 15 min SIP 4950, 4 hr. SIP 4250. End of lst stage in Helderburg Limestone. D.S. pumped 625 gal. 28% HCL acid, 30 ton CO2 and 1046 mcf of N2, with 25K lbs of sand 20/40 and 80/100 313 BBL of Frac Fluid. Max treating psi 4980, avg. treating psi 3800. ISP 4870, final SIP 4980.

RECEIVED

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Division of Energy Dil and Gas Section

TREATMENT SUMMARY

Dowell Schlumberger performed a CO2 & N2 frac for Ramsey Associated Petroleum on 8/30/90.

The Helderburg formation, perforated between 6388 and 6398 feet, in the Drake #254 well was treated.

Designed injection rate was 17 BPM.

Practure initiation pressure was 4810 psi at

10 BPM after which an average treating pressure of 4760 psi
and an average rate of 15 BPM was calculated. A maximum pressure
of 5000 psi and a maximum rate of 15 BPM with a final
pressure of 4980 psi, before treatment termination, was recorded.

Instant shutdown pressure was observed to be 4960 psi.

RECEIVED

Ja 5 34

Co.

47-021-4006 Page 3 OF 7 Dosued 8/7/90

STATE OF WEST VIRGINIA

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										-	***************************************
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GAS

		WELL W	ORK PERMIT	APPLICATIO	N ECO	ves stzlas	
. well o	perator:_			D PETROLEUM	40780	res 8/7/92 (2) (33	
2) Operate	or's Well	Number:_	DRAKE WEL	L NO. 254	3) E:	levation: 723'	
			or Ga				
	(b)	If Gas:	Productio Dee	n <u>X</u> / Underg	round Storag	ge/	
5) Propose	d Target	Formation	n(s):	Oriskany		-	
6) Propose	d Total [Depth:	6500	feet		_	
•				ths:	35' C/52	' CH59	
8) Approxi	mate salt	: water de	epths:		•		
		•					
			7			es/ No_X_/	,
11) Propose	d Well Wo	rk: [rill & Stimu	alate New	Will		
12)					1		
CYPE				ING PROGRAM			
1166	<u> </u>	PECIFICAT	IONS	FOOTAGE IN	TERVALS	CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)	
Conductor	11-3/4"			30 °	0 1	0 Sacks	
Fresh Water	8-5/8"			1000 1	1000'(15	By Rule 38 CSR 18-11.3	
Coal					4	100 110 110	
Intermediate					1		
Production	4-1/2"			6500'	6500'	By Rule 38 CSR 18-11.1	
<u> Fublng</u>				-		35K 10 11.1	
iners					ត្រាក	VEBCOO TO	
PACKERS : Kin					IN CO	J View	SANGERS A.
Siz Dep	ths set				44	105 08 1990 Z	
13011	Fo	∯ Divisor	of Oil a	nd Saly Use (DIVIS	SION OF OIL & GAS	•
Fee(s) p	add: (1)		rk Permit	. (A	amation Fund		Y
Plat (/ ww-9 (# 1 WW-2		and Blunke	therbolhs	1/1	_
1			1		Type)	Agent	

Page 1 of 7 Form WW2-A (09/87) File Copy

4)



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

Surface Owner(s) to be served:

Address <u>Odbert V. Ellyson</u>

(a) Name KKXXXXXXXXXX

Date:	August 2nd,	1990				
Operator's well number						
	DRAKE WELL	NO. 254				
API Well	No: 47 -	- 021_	-	4886		
	State -	County	_	Permit		

5) (a) Coal Operator:

Address _____

Name N/A

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK FERMIT

	<u> </u>	
	(b) Name	(b) Coal Owner(s) with Declaration
		Name N/A
	Address	
		Address
	(c) Name	
	Address	Name
		Address
6)	Inspector Craig Duckworth	(c) Coal Lessee with Declaration
0 /	Pay 107 Davisson D+	· ·
	Address Box 107, Davisson Rt.	Name N/A
	Gassaway, WV 26624	Address
	Telephone (304)- <u>364 - 5942</u>	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT.
	TO THE PERSON(S) NAMED AD	OVE TAKE NOTICE THAT:
	Included is the lease or leases or	
	racts by which I hold the right to	
XXX	Included is the information requir	ed by Chapter 22B, Article 1,
	ion 8(d) of the Code of West Virgin	
occe.		Chapter 22B of the West Virginia Code
+ 1		
I nav	ve served copies of this notice and	application, a location plat, and
accor	mpanying documents pages 1 through	7 on the above named parties, by:
	XXX Personal Service (Affidavit a	ittached)
	Certified Mail (Postmarked po	
	Publication (Notice of Public	
	rabited tion (Notice of Eddite	
	T have used and understand Chanter	22D and 20 CCD 11-10 and I agree
		22B and 38 CSR 11-18, and I agree
to ti	he terms and conditions of any perm	
	I certify under penalty of law tha	at I have personally examined and am
fami	liar with the information submitted	on this application form and all
		ry of those individuals immediately
		ion, I believe that the information
		.on, I believe that the infolmation
is t	rue, accurate, and complete.	
		cant penalties for submitting false
info	rmation, including the possibility	of fine and imprisonment.
	Well Operator	RAMSEY_ASSOCIATED_PETROLEUM
	By:	
	Its:	President
		D.O. Por OO
	Address	P.O. Box 90
		Glenville, WV 26351
	Telephone	462 - 5744
Subs	cribed and sworn before me this 2nd	d_day of <u>August</u> , 19 <u>90</u>
•		· •
	Megory U. Smith	Notary Public
Мус	ommission expires 12-7-92	
_		