



1) Date: October 12, 19 83  
 2) Operator's Well No. KEM #477  
 3) API Well No. 47 - 035 - 1918  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 962 Watershed: Grasslick Run  
 District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce  
 Address P. O. Box 8 Address Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock  
 Address Rt. 1, Box 101A  
Ripley, WV 25271
- 9) DRILLING CONTRACTOR: Name Clint Hurt  
 Address P. O. Box 388  
Elkview, WV
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 12) Estimated depth of completed well, 5170 feet
- 13) Approximate trata depths: Fresh, 462 feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_

**RECEIVED**  
 OCT 27 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>10 3/4"</u>			<u>X</u>		<u>250-500</u>	<u>250-500</u>	<u>150 sks class A</u>	<u>to surface</u>
Coal								<u>65 sks 50/50 pozmix</u>	Sizes
Intermediate	<u>7"</u>			<u>X</u>		<u>2400</u>	<u>2400</u>	<u>100 sks class A</u>	
Production	<u>4 1/2"</u>			<u>X</u>		<u>5170</u>	<u>5170</u>	<u>100 sks class A</u>	<u>50/50 pozmix</u>
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-035-1918

Date November 14, 19 83

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires November 14, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
<b>BLANKET BOND</b>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<u>965</u> <u>280</u>

*[Signature]*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.





STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL & GAS DIVISION

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: B (1) Gas, Production; (2) Underground storage; (3) Shallow; (4) Deep

2) LOCATION: District: Ripley; County: Jackson; Quarter: Ripley; Elevation: 252; Watched: Grasslick Run

3) WELL OPERATOR: Kassar Exploration and Mining Co. (a) Designated Agent: R. A. Pryce; Address: P. O. Box 8, Ravenna, WV 26165

4) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Jerry Tebbok; Address: P. O. Box 101A, Ripley, WV 26271

5) DRILLING CONTRACTOR: Name: C. J. Hays; Address: P. O. Box 282, Ripley, WV 26271

6) PROPOSED WELL WORK: (a) Drill depth: X; (b) Plug or old formation: Particulate new formation; (c) Other physical change in well (specify): Deviator Brown Shale

7) GEOLOGICAL TARGET FORMATION: Deviator Brown Shale

8) ESTIMATED DEPTH OF COMPLETED WELL: 2170 feet

9) APPROXIMATE STRATIGRAPHIC DEPTH: Fresh: 2170 feet; Salt: 2170 feet

10) APPROXIMATE COST PER FOOT: 1.00

11) IS COAL BEING MINED IN THE AREA? Yes

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 OIL & GAS DIVISION  
 OCT 17 1983

Casing or Tubing Size	Casing or Tubing Type	Specifications			Portage Intervals		Element Weight (Lbs/ft)	Hole Size
		Grade	Weight per Ft.	Length	Per Drilling	Per Running		
10 3/4"	Steel well				2500	2500	150 lbs class A to surface	
7"	Steel				2200	2200	55 lbs class A to surface	
4 1/2"	Production				2170	2170	100 lbs class A to surface	

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

Agent	Permit	Case	Fee

MARKET BOND

NOTE: Keep one copy of this permit posted at the drilling location.

09/08/2023





1) Date: October 12, 19 83  
 2) Operator's Well No. KEM #477  
 3) API Well No. 47 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil \_\_\_\_\_ / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 962 Watershed: Grasslick Run  
 District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce  
 Address P. O. Box 8 Address Same  
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Jerry Tephabock Name Clint Hurt  
 Address Rt. 1, Box 101A Address P. O. Box 388  
Ripley, WV 26271 Elkview, WV
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- 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_ /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>10 3/4"</u>			<u>X</u>		<u>250-500</u>	<u>250-500</u>	<u>150 sks class A to surface</u>	Sizes
Coal								<u>65 sks 50/50 pozmix</u>	Depths set
Intermediate	<u>7"</u>			<u>X</u>		<u>2400</u>	<u>2400</u>	<u>100 sks class A</u>	
Production	<u>4 1/2"</u>			<u>X</u>		<u>5170</u>	<u>5170</u>	<u>100 sks class A 50/50 pozmix</u>	
Tubing									Perforations:
Liners									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19 \_\_\_\_\_

By: [Signature]

Its \_\_\_\_\_

09/08/2023  
 Coal Owner



1) Date: October 12, 1983  
2) Operator's Well No. KEM #477  
3) API Well No. 47-035-1918  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(1) Name Atkinson Properties, Inc.  
Address Ripley, WV 25271  
(11) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(111) Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
LESSSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
None

RECEIPT FOR CERTIFIED MAIL  
No. 247840  
NO INSURANCE COVERAGE PROVIDED -  
(See Reverse)

Atkinson Properties, Inc.  
7017 Valley Brook Drive  
Charleston, WV 25312  
POSTAGE \$ 20  
CERTIFIED FEE \$ 75  
CONSULT POSTMASTER FOR FEES  
OPTIONAL SERVICES  
RETURN RECEIPT SERVICE  
TOTAL POSTAGE AND FEES \$ 95

TO THE PER...  
(1) ...  
(2) ...  
(3) ...  
THE RE...  
WHICH ARE S...  
(FORM IV-2...)  
ACTION AT A...  
erator prop...  
for a well...  
Department...  
and depred...  
Construction...  
before the d...  
6) EXTRACTOR  
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The req...  
ROYALTY PR...  
Is the rig...  
or other...  
for compens...  
to the volu...

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

DEPT. OF MINES  
OIL & GAS DIVISION  
OCT 27 1983  
RECEIVED

See the reverse side for the term instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by R. A. Pryce  
this 19 day of October, 1983  
My commission expires 8/30, 1993

Notary Public, Jackson County, West Virginia  
By: [Signature]  
Its General Manager  
Address P. O. Box 8  
Ravenswood, WV 26164  
Telephone 304 273 5371



I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E ( S ) A N D O T H E R C O N T I N U I N G C O N T R A C T ( S )

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Jackson Co. Livestock Market, Inc.	Patrick Petroleum	1/8 of prevailing field price	144/139

*Well is a joint venture between Patrick Petroleum and Kaiser Exploration & Mining Co.*





IV-9  
(Rev 8-81)

DATE September 30, 1983

WELL NO. KEM #477

State of West Virginia  
Department of Mines  
Oil and Gas Division

API NO. 47-035-1918

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co DESIGNATED AGENT R. A. Pryce

Address P. O. Box 8, Ravenswood, WV

Address Same

Telephone 273-5371

Telephone \_\_\_\_\_

LANDOWNER Atkinson Properties Inc.

SOIL CONS. DISTRICT Western

Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent)

This plan has been reviewed by Western SCD. All corrections and additions become a part of this plan: Oct 12 1983

(Date)

Waynes W. Hughes  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)

Structure None required (1)

Spacing Earthen

Material \_\_\_\_\_

Page Ref. Manual 2:12

Page Ref. Manual \_\_\_\_\_

Structure Cross Drains (B)

Structure \_\_\_\_\_ (2)

Spacing 135'

Material \_\_\_\_\_

Page Ref. Manual 2:4

Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (C)

Structure \_\_\_\_\_ (3)

Spacing \_\_\_\_\_

Material \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

ok  
Treatment Area I

Treatment Area II

Lime 4 Tons/acre  
or correct to pH \_\_\_\_\_

Lime Same as Area I Tons/acre  
or correct to pH \_\_\_\_\_

Fertilizer 14-14-14 600 lbs/acre  
(10-20-20 or equivalent)

Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch \_\_\_\_\_ Tons/acre

Seed\* 81% Orchard Grass/15% Ryegrass 16 lbs/acre

Seed\* \_\_\_\_\_ lbs/acre

Kentucky 31 Fescue 16 lbs/acre

\_\_\_\_\_ lbs/acre

Red Clover 8 lbs/acre

\_\_\_\_\_ lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Vincent Wood 09/08/2023

ADDRESS 116 Post Avenue

Ripley, WV 25271


PHONE NO. 372-2709


NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

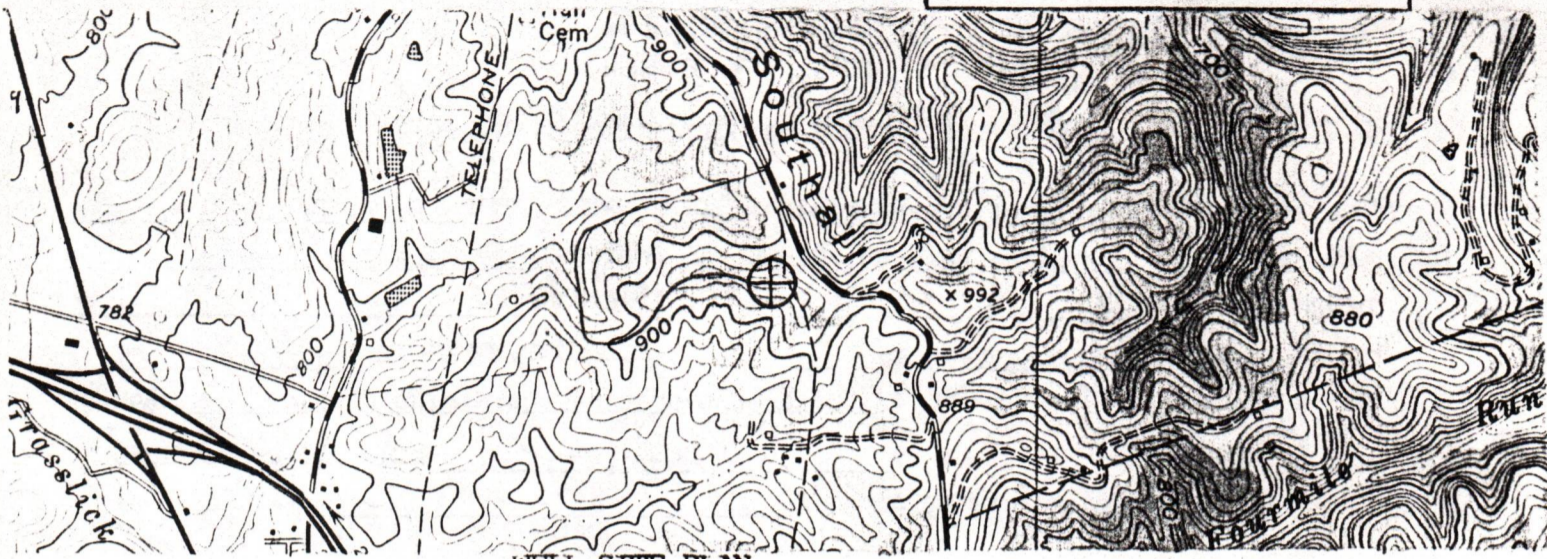


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE RIPLEY

**LEGEND**

Well Site 


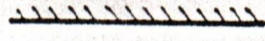


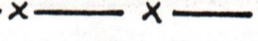

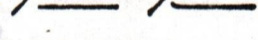

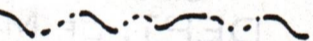

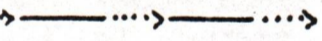
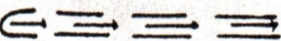
Access Road 

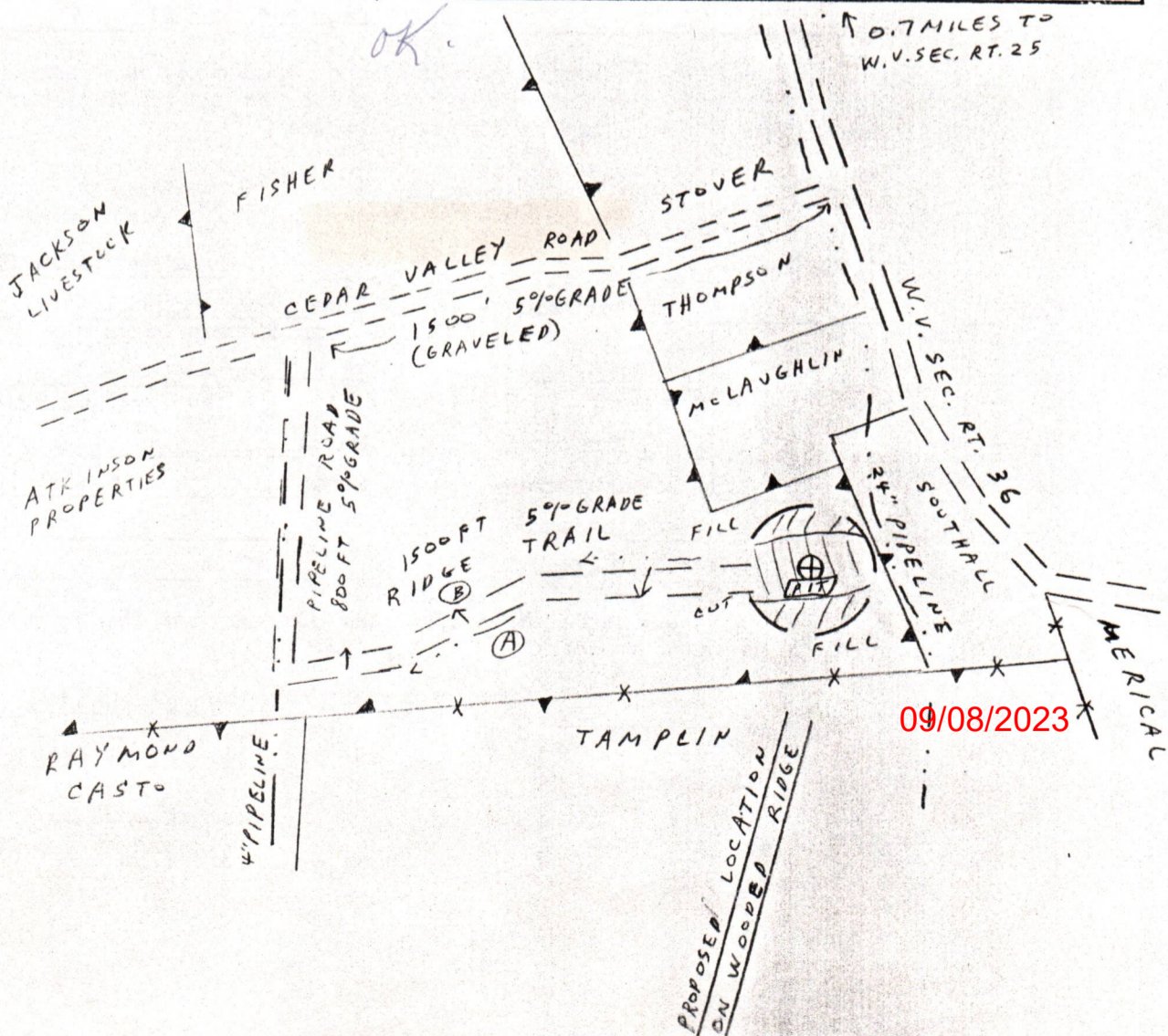


**WELL SITE PLAN**

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

**LEGEND**

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



09/08/2023



RECEIVED

DEC 12 1984



IV-35 OIL & GAS DIVISION DEPT. OF MINES (Rev 8-81)

Date 10-1-84 Operator's Well No. KEM 477 Jackson County Livestock Farm Atkinson Properties API No. 47 - 035 - 1918

State of West Virginia Department of Mines Oil and Gas Division

CONFIDENTIAL

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallowx /)

LOCATION: Elevation: 962 Watershed Grasslick Run District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration and Mining Company

ADDRESS P.O. Box 8, Ravenswood, WV 26164

DESIGNATED AGENT R.A. Pryce

ADDRESS same

SURFACE OWNER Atkinson Properties, Inc.

ADDRESS Ripley, WV 25271

MINERAL RIGHTS OWNER Jackson Co. Livestock Market Inc.

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Tephabuck ADDRESS Ripley, WV 25271

PERMIT ISSUED

DRILLING COMMENCED 7-9-84

DRILLING COMPLETED 7-15-84

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 10-3/4, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Brown Shale Depth 4355 feet

Depth of completed well 4548 feet Rotary X / Cable Tools

Water strata depth: Fresh NA feet; Salt NA feet

Coal seam depths: NA Is coal being mined in the area? No Drilled on fluid, not known

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 2662 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

\* Final open flow 1000 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1025 psig (surface measurement) after 72 hours shut in (If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

\* Final open flow - Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 900 psig (surface measurement) after 72 hours shut in

\* Open flows are comingled

(Continue on reverse side)

JACK-1918

09/08/2023



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

- 8-31-84 Young's perf lower brown shale 20 holes (0.40" DIA) From 4236-4474.
- 8-31-84 Nowsco N<sub>2</sub> frac-foam pad. Used 1422 mscf N<sub>2</sub>; Total fluid 25Bbls water
- 8-31-84 Young's Perf Berea 20 holes (0-40"DIA) from 2657-2667
- 8-31-84 Nowsco foam frac berea used 60,000# 20/40 sand; 945,255 scf N<sub>2</sub>; 150 bbl total fluid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil, Shale and Siltstone			0	382	
Sand			382	460	
Siltstone and Shale			460	810	
Sand			810	855	
Shale and Siltstone			855	1300	
Dunkard Sands			1300	1625	
Shale			1625	1838	
Salt Sands			1838	2087	
Big Lime (Greenbrier)			2087	2168	
Shale			2168	2180	
Big Injun Sand			2180	2284	
Shale			2284	2636	
Coffee Shale			2636	2658	
Berea Sand			2658	2670	S/g
Shale			2670	3908	S/g @ 3750'
Brown Shale			3908	4477	S/g @ 3942, 4330
Shale			4477	4558	
Total Depth			4558		

(Attach separate sheets as necessary)

Kaiser Exploration and Mining Company

Well Operator

By: R.A.P.

09/08/2023

Date: October 1, 1984

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 12 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1918

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser ExploratiOon</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Atkinson</u>	16			Kind of Packer _____
Well No. <u>Kem 477</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: Building location recieved call from neighboring landowner Mrs Lynch concerning run off from site investigated and found that site is 1300 to 1400 feet from pond with heavy trees and grass cover between to act as a sediment barrier. also location is on top of a ridge which should be little or no run off. presently presenting no problem. However I notified Kaiser Exploration of the complaint. Also notified the tool pusher on the Rig which is to drill beginning thursday.

7 3 84

DATE

*Jerry T. ...* 09/08/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 12 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 035 1918

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm _____	16			
Well No. <u>Kem 477</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:  
Inspected with Mike Lewis and discussed complaint by Mrs. Lynch, adjoining landowner and found no problems rig had not moved at this time to begin drill.

7 6 84

DATE

09/08/2023



Form 26  
2/16/82

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

DATE

09/08/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 18 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 035 1918

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Atkinson</u>	16			
Well No. <u>Kem477</u>	13			Size of _____
District _____ County <u>Jackson</u>	10			
Drilling commenced <u>7 9 84</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			
Rock pressure _____ lbs. _____ hrs.				Perf. top _____
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				Perf. bottom _____
Salt water _____ feet _____ feet				

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Hurt Rig #6 Ferrabee

Remarks: Spud Date

7 9 84  
DATE

*John M. Taylor*  
09/08/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner			Location			Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED								CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST		

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

DATE

09/08/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED  
JUL 18 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

1918

Permit No. 035 1018

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Atkinson</u>	16			Kind of Packer _____
Well No. <u>Kem 477</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

TD 539 ' 10:00 pm 7 9 84 Ran 13 jts 10 3/4 csg set 500.9 KB Cement Hughes  
hughes 250 sks class a 3% cacl 1/4 lb per sk celloflake plug down 2:00 am  
WOC

7 10 84  
DATE

Jerry T. Hughes  
09/08/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED  
JUL 18 1984

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

Permit No. 035 1918

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser Exploration</u> Address _____ Farm <u>Atkinson</u> Well No. <u>Kem 477</u> District <u>Ripley</u> County <u>Jackson</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbla., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			
	13			Size of _____
	10			
	8 1/4			Depth set _____
	6 3/8			
	5 3/16			Perf. top _____
	3			
	2			Perf. bottom _____
Liners Used			Perf. top _____	
			Perf. bottom _____	

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Hurt Rig #6 Ferrabee

Remarks:  
7 13 84 Ran 57 jts 7" csg total 2402' set 2412 KB Cement Hughes 100sks  
Neat plus 150 sks 50/50 poz 10% salt 1/4 lb per sk celeflake.  
plug down 4:30 am. 7:30 am WOC.

7 13 84

Jerry T. Taylor 09/08/2023



Form 26  
2/16/82

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_ I hereby certify I visited the above well on this date.  
DATE

09/08/2020



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 25 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 035 1918

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Stkinson</u>	16			Kind of Packer _____
Well No. <u>Kem 477</u>	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed <u>7 15 84</u> Total depth <u>4548</u>	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

Set 4496 4 1/2 csg at 4506 kb cement hughes 225 sks 50/50 poz 10% salt 12.5 lb per sk Gilsonite plug down 7:00 pm 7 15 84 moving off location

7 16 84

DATE

*John Teph...*  
09/08/2023







STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

**RECEIVED**  
AUG 29 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

**INSPECTOR'S WELL REPORT**

Permit No. 035 1918

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Kaiser Exploration</u> Address _____ Farm _____ Well No. <u>Kem 477</u> District _____ County <u>Jackson</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	<b>CASING AND TUBING</b>	<b>USED IN DRILLING</b>	<b>LEFT IN WELL</b>	<b>PACKERS</b>
	Size			
	16			Kind of Packer _____
	13			
	10			Size of _____
	8 1/4			
	6 5/8			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
Liners Used			Perf. top _____	
			Perf. bottom _____	

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

Running wire line bond log on 41/2.  
lost swabbing tools in hole.

8 22 84  
DATE

Jimmy T. [Signature] 09/08/2023



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED		BRIDGES			CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

DATE \_\_\_\_\_ I hereby certify I visited the above well on this date.





**RECEIVED**  
JAN 23 1985

OIL & GAS DIVISION  
**DEPT. OF MINES**

**State of West Virginia**  
**Department of Mines**  
**Oil and Gas Division**  
**Charleston 25305**

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
December 19, 1984

COMPANY Kaiser Exploration & Mining Co. PERMIT NO 035-1918  
P. O. Box 8 FARM & WELL NO Atkinson Prop. KEM-477  
Ravenswood, West Virginia 26164 DIST. & COUNTY Ripley/Jackson

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	X	
25.04	Prepared before Drilling to Prevent Waste	X	
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite	X	
15.03	Adequate Fresh Water Casing	X	
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing	X	
15.04	Adequate Cement Strength	X	
15.05	Cement Type	X	
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drilling Pits	X	
23.05	No Surface or Underground Pollution	X	
23.07	Requirements for Production & Gathering Pipelines	X	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Joseph Tephaholch  
DATE 1/18/85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...  
Administrator-Oil & Gas Division

January 28, 1985

DATE

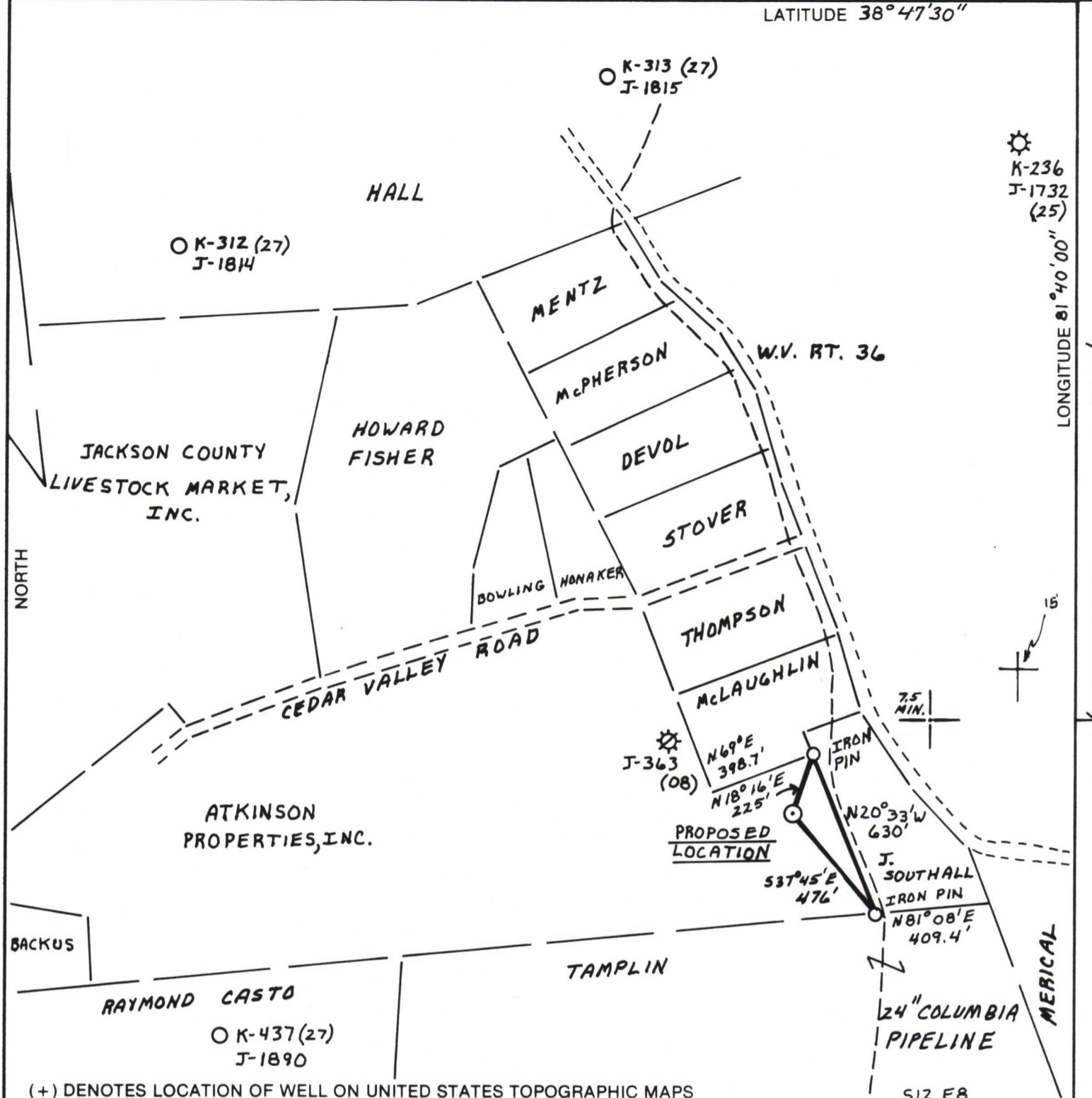


11-1-83

2,150'

LATITUDE 38° 47' 30"

LONGITUDE 81° 40' 00"



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 6-68  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INTER. ELEV.=889', 1660' S.W. OF LOCATION.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Robert W. Wood  
 R.P.E. \_\_\_\_\_ L.L.S. 664

PLACE SEAL HERE

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE SEPTEMBER 28, 19 83  
 OPERATOR'S WELL NO. KEM 477  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 962' WATERSHED GRASSLICK RUN  
 DISTRICT RIPLEY COUNTY JACKSON  
 QUADRANGLE RIPLEY

SURFACE OWNER ATKINSON PROPERTIES, INC. ACREAGE 64.327  
 OIL & GAS ROYALTY OWNER JACKSON CO. LIVESTOCK MARKET, INC. LEASE ACREAGE 203 09/08/2023

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION DEVONIAN BROWN SHALE ESTIMATED DEPTH 5170'  
 WELL OPERATOR KAISER EXPLORATION AND MINING CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.  
 ADDRESS P.O. BOX 8 RAVENSWOOD, W.V. 26164 ADDRESS P.O. BOX 8 RAVENSWOOD, W.V. 26164

COUNTY NAME JACKSON  
 PERMIT 1918

FORM IV-6 (8-78)  
 H.T. HALL