



1) Date: June 6, 19 83
2) Operator's Well No. KEM #414
3) API Well No. 47 035 1859
State County Permit

DRILLING CONTRACTOR:
Clint Hurt & Associates
Elkview, WV

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

- 4) WELL TYPE: A Oil Gas
B (If "Gas", Production Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 778 Watershed: Poverty Fork
District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 11) DESIGNATED AGENT R. A. Pryce
Address P. O. Box 8 Address Same
Ravenswood, WV 26164
- 7) OIL & GAS ROYALTY OWNER Harold Parsons et al 12) COAL OPERATOR None
Address 59 Willbrook Drive Address _____
Parkersburg, WV 26101
- 8) SURFACE OWNER Harold Parsons 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Same Name None
Address _____
- 9) FIELD SALE (IF MADE) TO: Name _____
Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
Name Homer Dougherty Name None
Address Linden Rt., Box 3A Address _____
Looneyville, WV
- 15) PROPOSED WORK: Drill Drill deeper Redrill Fracture or stimulate
Plug off old formation Perforate new formation
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Devonian Brown Shale
- 17) Estimated depth of completed well, 4970 feet
- 18) Approximate water strata depths: Fresh, 278 feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes No

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JUN - 8 1983
OIL & GAS DIVISION
DEPT. OF MINES

20) 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		
Conductor								
Fresh water	10 3/4"			X		325 250	325 250	150 sks class A to surface
Coal								
Intermediate	7"			X		2243	2243	65 sks 50/50 pozmix
Production	4 1/2"			X		4970	4970	100 sks class A pozmix
Tubing								224 sks 50/50 pozmix
Liners								
								Perforations: Top Bottom

- 21) EXTRACTION RIGHTS
Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.
- Notary: _____ Signed: R. A. Pryce
My Commission Expires _____ Its: General Manager

OFFICE USE ONLY
Permit number 47-035-1859 DRILLING PERMIT 7/21 19 83
Date 09/08/2023

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.)

Permit expires 3/21/84 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>963</u> <u>934</u>
----------------	---------------------------	--------------------------	----------------------------	-------------------------------

Michael Lewis
Administrator, Office of Oil and Gas

LEASE SUMMARYKEM #326 & 414**RECEIVED**
JUN - 8 1983Tract Discription

County: Jackson

District: Ripley

Acres: 56

Bounded By: North - E. Parrish

East - E. Coon

South - E. Coon

West - R. Easter

OIL & GAS DIVISION
DEPT. OF MINESLease Parties

Lessor(s): Harold Parsons et al

Lessee: Kaiser Exploration and Mining Company

Recording Information

Book and Page: Not yet recorded

Royalty Provision

1/8 of prevailing field price



IV-9
(Rev 8-81)

DATE June 1, 1983
WELL NO. KEM #414
API NO. 47 - 035 - 1859-Rev

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Kaiser Exploration and Mining Co. DESIGNATED AGENT Same
Address P. O. Box 8, Ravenswood, WV 26164 Address _____
Telephone 273-5371 Telephone _____
LANDOWNER Harold C. Parsons SOIL CONS. DISTRICT Western
Revegetation to be carried out by Kaiser Exploration and Mining Company (Agent)

This plan has been reviewed by [Signature] SCD. All corrections
and additions become a part of this plan: June 4 1983
(Date)
[Signature]
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Corss Drains (A)

Spacing 60', 45'

Page Ref. Manual 2:4

Structure Culvert (B)

Spacing (2) 24" diameter

Page Ref. Manual 2:7

Structure Rip Rap (C)

Spacing Log

Page Ref. Manual _____

Structure Diversion Ditch (1)

Material Earthen

Page Ref. Manual 2:12

Structure Rip Rap (2)

Material Log

Page Ref. Manual _____

Structure _____ (3)

Material _____

Page Ref. Manual _____

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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

OIL & GAS DIVISION
DEPT. OF MINES

Treatment Area I

Treatment Area II

Lime 4 Tons/acre
or correct to pH _____

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

Mulch Hay 2 Tons/acre

Seed 81% Orchard Grass/15% Rye ³² lbs/acre

Red Clover 8 lbs/acre

_____ lbs/acre

Lime 4 Tons/acre
or correct to pH _____

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

Mulch Hay 2 Tons/acre

Seed 81% Orchard Grass/15% Rye ¹⁶ lbs/acre

Kentucky 31 Fescue 16 lbs/acre

Red Clover 8 lbs/acre

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

09/08/2023

PLAN PREPARED BY William Ambrose

ADDRESS Rt. 2, Box 51A

Walker, WV 26180

PHONE NO. 679-3970


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


MEADOW

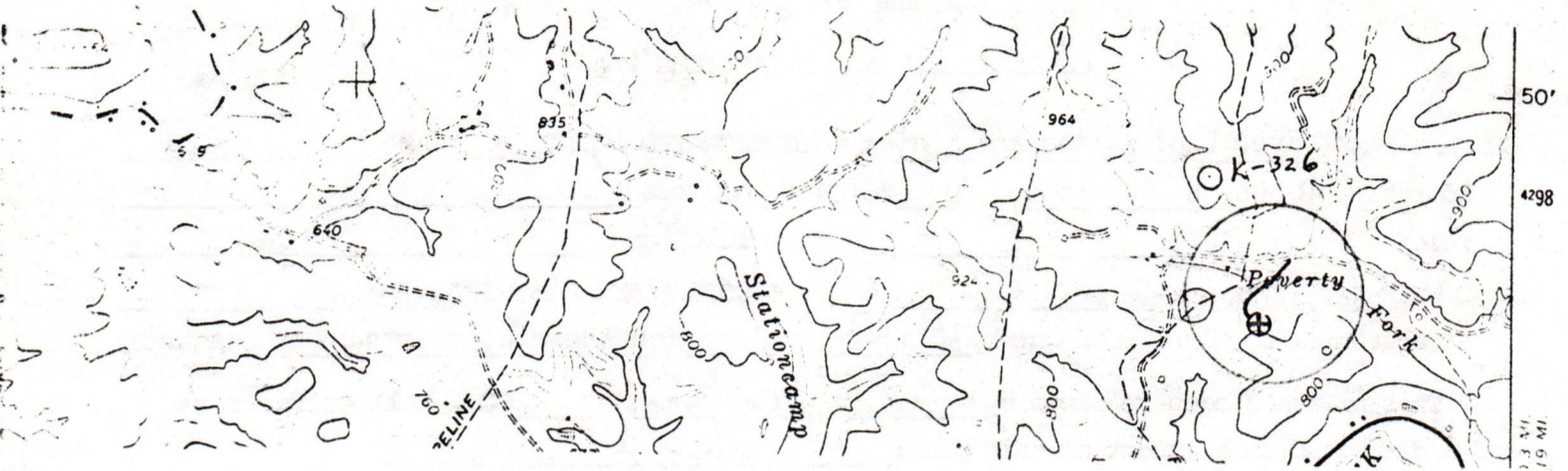
WOODS

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE RIPLEY

LEGEND

Well Site 





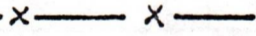

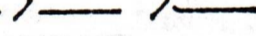



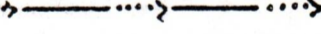
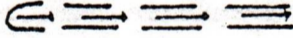
Access Road 

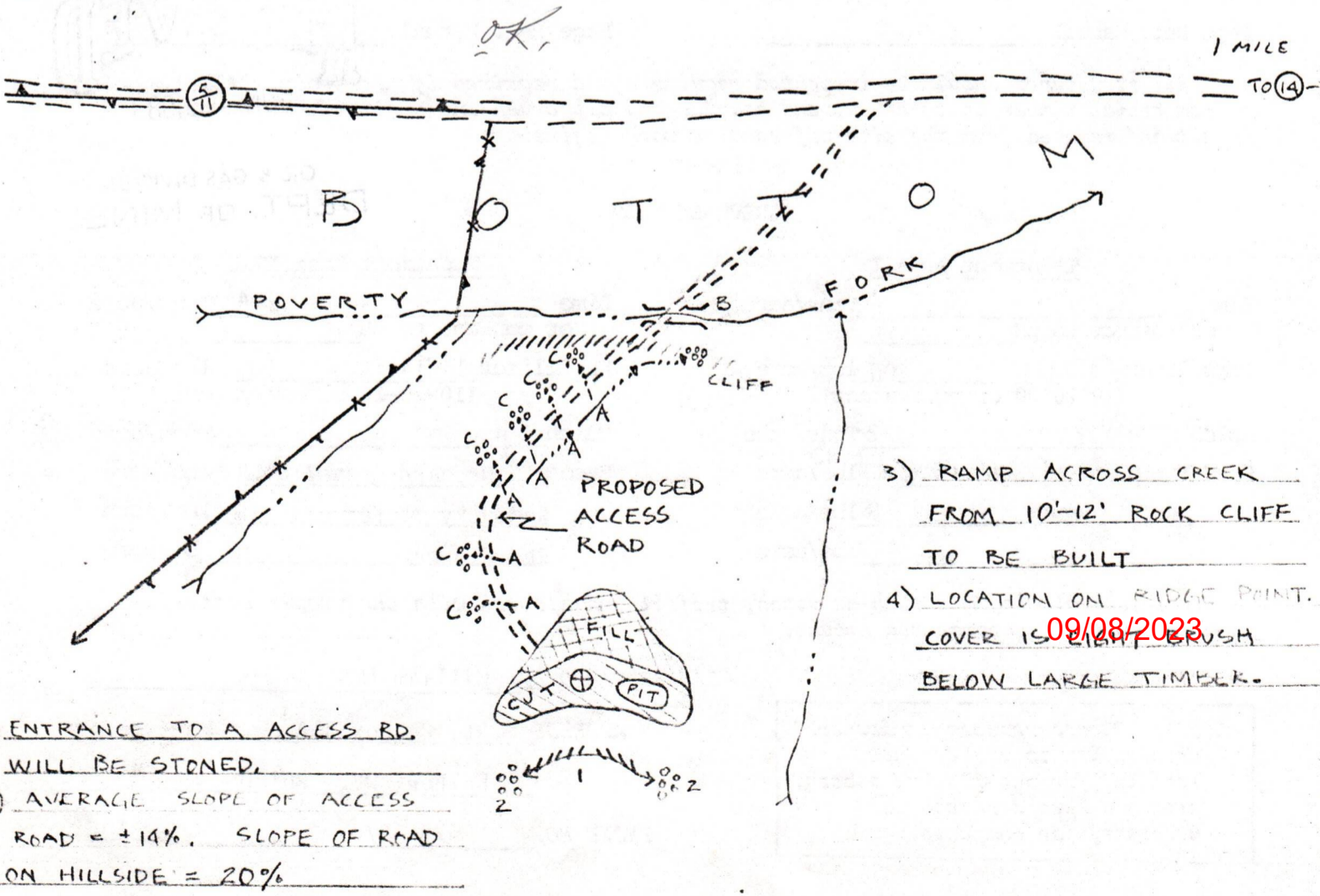


WELL SITE PLAN

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 



- 3) RAMP ACROSS CREEK FROM 10'-12' ROCK CLIFF TO BE BUILT
- 4) LOCATION ON RIDGE POINT. COVER IS LIGHT BRUSH BELOW LARGE TIMBER.

- 1) ENTRANCE TO A ACCESS RD. WILL BE STONED.
- 2) AVERAGE SLOPE OF ACCESS ROAD = ±14%. SLOPE OF ROAD ON HILLSIDE = 20%

09/08/2023

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JUN 14 1984



OIL & GAS DIVISION
DEPT. OF MINES

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

1) Date: January 19, 1984
2) Operator's Well No. KEM #414
3) API Well No. 47 - 035 - 1859 - REN
State County Permit

RENEW

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 778' Watershed: Poverty Fork (032N2)
District: Ripley 3 County: Jackson Quadrangle: Ripley 577
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. DESIGNATED AGENT R. A. Pryce
Address P. O. Box 8 25550 Ravenswood, WV 26164 Address Same
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty Address Linden Rt., Box 3A Looneyville, WV 372-6805
9) DRILLING CONTRACTOR: Name Clint Hurt Address P. O. Box 388 Elkview, WV
- 10) PROPOSED WELL WORK: Drill / 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, 4970 feet
13) Approximate strata depths: Fresh, 278 feet; salt, _____ feet.
14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

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MAY 23 1984
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	10 3/4"			X		325	325	150 sks Class A	to surface
Coal								65 sks 50/50	pozmix
Intermediate	7"			X		2243	2243	100 sks Class A	
Production	4 1/2"			X		4970	4970	224 sks 50/50	pozmix
Tubing									
Liners									Perforations: Top Bottom

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-035-1859-REN Date July 5, 19 84

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 July 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>[Signature]</u>	Plat: <u>M4</u>	Casing: <u>M4</u>	Fee: <u>967-227</u>
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[Signature]
Administrator, Office of Oil and Gas

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



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DEPT. OF MINES OIL & GAS DIVISION

OFFICE USE ONLY

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

Form fields for well location, operator, and proposed work details. Includes fields for well type, location, operator name, and proposed well work description.

OFFICE USE ONLY

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

Table with columns for Date and Date(s) recording key events: Application received, Well work started, Completion of the drilling process, Well Record received, Reclamation completed.

OTHER INSPECTIONS

Reason:

Reason:

Small table with columns for Agent, Cause, Fee, and other inspection details.

1) Date: January 20, 1984
2) Operator's Well No. KEM #414
3) API Well No. 47 - 035 - 1859 - Ken
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

5 (i) COAL OPERATOR None

(i) Name Harold Parsons
Address 59 Willbrook Drive
Parkersburg, WV 26101

Address _____

(ii) Name _____
Address _____

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name None

Address _____

(iii) Name _____
Address _____

Name _____

TO THE PERSON TO WHOM THIS PERMIT IS ISSUED:
(1) The name of the person to whom the permit is issued.
(2) The name of the person who prepared the application.
(3) The name of the person who signed the application.

THE PERMIT WHICH ARE SUBJECT OF THIS ACTION AT A

Take note that the operator proposed for a Well Work Permit is depicted on the map and depicts the construction by hand to be done before the

6) - SUMMARY

Check all that apply:
 Includes
 The

7) ROYALTY
Is the royalty for coal or other minerals to be paid to the

you may

● SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered \$
 Show to whom, date, and address of delivery .. \$
 RESTRICTED DELIVERY \$
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO:
Harold Parsons
59 Willbrook Dr.
Parkersburg, WV 26101

4. TYPE OF SERVICE:
 REGISTERED INSURED ARTICLE NUMBER
 CERTIFIED COD 261 531
 EXPRESS MAIL D30

(Always obtain signature of addressee or agent!)

I have received the article described above.
 SIGNATURE Addressee Authorized agent
MAY 12 1984

5. DATE OF DELIVERY

6. ADDRESSEE'S ADDRESS (Only if requested)

7. UNABLE TO DELIVER BECAUSE:

7a. EMPLOYEE'S INITIALS

POSTMARK (may be on reverse side)
 MAY 13 1984

SEE WITH DECLARATION ON RECORD: one

the following documents:
 IV-4 if the well is being or other work, proposed casing and
 and well work is only to control and for

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RECORDING THE APPLICATION OIL & GAS DIVISION
 OF THE APPLICATION DEPT. OF MINES
 TO TAKE ANY

assigned well operating documents as, West Virginia attached Application location, the plat, and the certified mail or delivered instances) on or

RECEIVED MAY 23 1984

contracts by which
 de for specifics.) OIL & GAS DIVISION
 DEPT. OF MINES

a lease or leases similar provision inherently related
 (No)

the answer is Yes,

Renewal
KEM 326-414

the required copies of the notice and application, and the 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 10 day of May, 1984.
 My commission expires 8/30, 1993.

WELL OPERATOR Kaiser Exploration and Mining Company
 By R.A.P.
 Its General Manager
 Address P. O. Box 8
Ravenswood, WV 26164
 Telephone 304 273 5371

Donnae Carney
 Notary Public, Jackson County,
 State of West Virginia

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

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 N see also Code § 22-4-1b(b) if "more than three co-owners of interest described in subsection in such lands".
- 5(i) "Coal Operator" means any person, firm, partne corporation that proposes to or does operate
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of f tinating contract(s), the Applicant may fill c 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 provi copies of the Notice and Application must be file panied by (i) a plat in the form prescribed by Re the forms prescribed by Regulation 12, or in lieu by Code § 22-4-1k(d) and the reclamation require 23, (iv) unless previously paid on the same well and 22-3-12a, and (v) if applicable, the consent owner of any water well on dwelling within 200 f

Service. In addition, service must be made on t with an interest in the coal. See Code § § 22-

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(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--

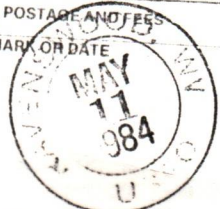
- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s)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

_____ Grantor, lessor, etc.	_____ Grantee, lessee, etc.	_____ Royalty	_____ Book Page
Harold Parsons	Kaiser Exploration and Mining Company	1/8 of prevailing field price	149/374

P 261 531 033 *KAL*

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO		Harold Parsons	
STREET AND NO.		59 Willowbrook Dr.	
P.O., STATE AND ZIP CODE		Parkerburg WV 26101	
POSTAGE		\$	
CERTIFIED FEE		¢	
SPECIAL DELIVERY		¢	
RESTRICTED DELIVERY		¢	
OPTIONAL SERVICES		¢	
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	¢	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY	¢	
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE			

PS Form 3800, Apr. 1976

Rem 326 & 414

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DEC 12 1984

OIL & GAS DIVISION

DEPT. OF MINES

IV-35 (Rev 8-81)



State of West Virginia Department of Mines Oil and Gas Division

Date November 2, 1984 Operator's Well No. KEM 414 Farm H. Parsons API No. 47 - 035 - 1859 Ren

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 / Shallow x /)

LOCATION: Elevation: 778' Watershed Poverty Fork 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 Harold Parsons

ADDRESS 59 Willbrook Drive, Parkersburg, WV 26101

MINERAL RIGHTS OWNER Same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Jerry Tephabock

ADDRESS Rt. 1, Box 101A, Ripley, WV

PERMIT ISSUED

DRILLING COMMENCED 8/17/84

DRILLING COMPLETED 8/23/84

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., 13-10, 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 4124-4269 feet

Depth of completed well 4350 feet Rotary x / Cable Tools

Water strata depth: Fresh N/A feet; Salt N/A feet

Coal seam depths: N/A Is coal being mined in the area? No

Drilled on fluid - not known

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth 4124-4269 feet

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

Final open flow 1858 commingling Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1050 psig (surface measurement) after 72 hours shut in (If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth 09/08/2023 feet

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

Final open flow 1858 commingling Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 925 psig (surface measurement) after 72 hours shut in

(Continue on reverse side)

JACK - 1859 - REN

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

8/29/84 Young perforated the Brown Shale with 18 holes (.39" dia.) from 4124-4269'
 8/30/84 BJ Hughes foam fractured the Brown Shale with 675 MSCF total nitrogen; 321 bbl total fluid; 58,300# of 20/40 sand. Started to sand off.
 8/30/84 Young perforated the Berea with 20 holes (.39" dia.) from 2433-2439'.
 8/30/84 BJ Hughes foam fractured the Berea with 60,000# of 20/40 sand; 630 MSCF total nitrogen; 338 bbls of 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
Shale and Siltstone			0	257	
Sand			257	306	
Shale			306	333	
Sand			333	356	
Shale			356	520	
Sand			520	590	
Shale, Siltstone, Sand			590	1250	
Dunkard Sands			1250	1460	
Shale and Sand			1460	1678	
Salt Sands			1678	1862	
Big Lime (Greenbrier)			1862	1972	
Shale			1972	1992	
Big Injun Sand			1992	2054	
Shale			2054	2418	
Coffee Shale			2418	2438	
Berea Sand			2438	2436	S/g
Shale			2436	3680	S/g @ 3084'
Brown Shale			3680	4260	S/g @ 4167, 4250'
Shale			4260	4371	
Total Depth			4371		

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY

Well Operator

By:

R.A.P.

09/08/2023

Date:

November 2, 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

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AUG 22 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 035 1859

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Kem 414</u>	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced <u>8 17 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			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 _____

Hurt Rig #4 Archer

Remarks: _____

8 17 84 spuded 13 1/4 hole at 1:00 pm td 700 feet 10:30 pm ran 16 jts 10 3/4 csg set 683.75 kb. cement noscoe 300 sks class a neat 3% cacl 1/4 lb per sk flocele. plug down 2:45 am 8 18 84.
8 20 84 TD 9 1/2 hole at 2225 9:00 am ran 53 jts 7 1/2 csg total 2217.5 kb insert at 2197.60 noscoe cement 175 sks 50/50 poz 10% cacl 1/4 lb per sk flocele plus 100 sks neat. plug down 2:00 pm.

8 21 84
DATE

Jung 09/08/2023

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

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AUG 29 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 035 1859

Oil or Gas Well _____
(KIND)

Company <u>Kaiser Exploration</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>parsons</u>	16			Kind of Packer _____
Well No. _____	13			
District _____ County <u>Jackson</u>	10			Size of _____
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed <u>8 22 84</u> Total depth <u>TD4371</u>	6 3/8			
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.				
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 Hurt Rig #4

Remarks:

8 22 84 Td 6 1/4 hole 3:30 pm 4371 ran 108 jys 4 1/2 csg set 4319 KB cem.
225 sks 50/50 poz plug down 5:00 am 8 23 84.
8 24 84 moving

8 24 84

DATE

James Tephel
09/08/2023



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NOV 15 1984
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

COMPANY Kaiser Exploration & Mining Corp. PERMIT NO 035 1859
P. O. Box 8
Ravenswood, WV 26164
FARM & WELL NO Kem 414
DIST. & COUNTY 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 Strenght	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:

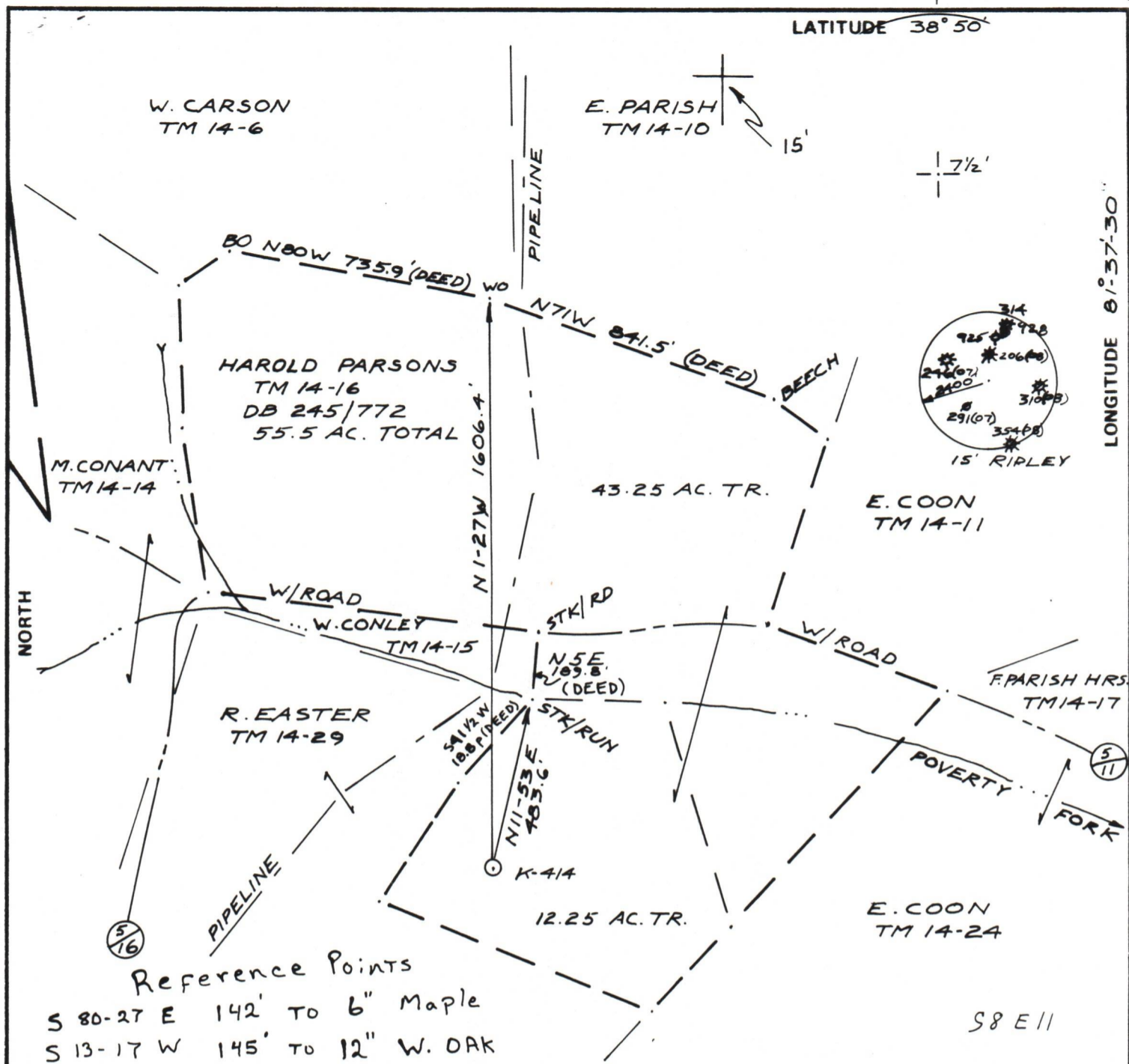
SIGNED *Jeffrey Tephelord*
DATE 11 8 84

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 18, 1985

DATE



FILE NO. 83-25
 DRAWING NO. 7-47
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION KNOB @ 964'

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) William Ambrose
 R.P.E. _____ L.L.S. 568

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 3 JUNE, 1983
 OPERATOR'S WELL NO. K-414
 API WELL NO. 47-035-1859-Reg.
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 778' WATER SHED POVERTY FORK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY 7 1/2'
 SURFACE OWNER HAROLD PARSONS ACREAGE 55.5
 OIL & GAS ROYALTY OWNER HAROLD PARSONS, et al. LEASE ACREAGE 56
 LEASE NO. R84-01-2065
 PROPOSED WORK: DRILL 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 SHALE ESTIMATED DEPTH 4970'
 WELL OPERATOR KAISER EXPLORATION DESIGNATED AGENT SAME - R. A. PRYCE
 ADDRESS P.O. BOX 8 & MINING CO. ADDRESS SAME
RAVENSWOOD, W.V. 26164

09/08/2023

JACK-1001