

FORM IV-2 (Obverse) (12-81)



Date: April 30, 19 82

Operator's Well No. ONE

API Well No. 47 085 5602

State County Permit

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

WELL TYPE: Oil X / Gas X / (If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1070' Watershed: Whiskey Run District: Clay County: Ritchie Quadrangle: Ellenboro 75'

WELL OPERATOR Kober Oil Inc. DESIGNATED AGENT Mik Strickland Address Route #1 Address R-1 Clayo W. VA. 26337 Clayo W. VA. 26337

OIL & GAS ROYALTY OWNER Woodrow Hammond COAL OPERATOR NA Address R-1 Address NA Finch W. VA.

ACREAGE 50 COAL OWNER(S) WITH DECLARATION ON RECORD: SURFACE OWNER Woodrow Hammond et ux Name

Address R-1 Address RECEIVED Finch W. VA. Name MAY -3 1982 Acreage 50 Address OIL AND GAS DIVISION WV DEPARTMENT OF MINES

FIELD SALE (IF MADE) TO: Address NA. COAL LESSEE WITH DECLARATION ON RECORD: Name

OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace Address R-1 Box 65 Sandyridge W. VA. Phone 304-655-8693

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X other contract / dated 3/31, 19 82, to the undersigned well operator from Woodrow Hammond

(IF said deed, lease, or other contract has been recorded:) Recorded on 3/31, 19 82, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Book 142 at page 457. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X / Plug off old formation / Perforate new formation / Other physical change in well (specify) planned as shown on the work order on the reverse side hereof.

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.

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 348-3092

04/19/2024 Kober Oil Inc. Well Operator By Bil Strickland Its U.P.



PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) C.H. & M Drilling  
Address Charlottesville VA.

GEOLOGICAL TARGET FORMATION, Braiter shale

Estimated depth of completed well, 5900 feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 20 feet; salt, 0 feet.  
Approximate coal seam depths:      Is coal being mined in the area? Yes      / No      /

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	<u>11 3/4</u>				<u>X</u>	<u>40 FT.</u>		Kinds	
Fresh Water	<u>8 5/8</u>		<u>23 LB</u>	<u>X</u>		<u>350</u>	<u>350</u>	<u>CTS</u>	
Coal								Sizes	
Intermediate									
Production	<u>4 1/2</u>		<u>10.5</u>	<u>X</u>			<u>5900</u>	<u>AS Rec.</u>	Depths set
Tubing	<u>2 7/8</u>			<u>X</u>			<u>5900</u>	<u>By Rub 150K</u>	
Liners									Perforations:
									Top Bottom

NOTE: 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.

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.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE.**  
**ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,**  
**ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY**  
**APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE**  
**IF OPERATIONS HAVE NOT COMMENCED BY 1-10-83**  
**BY [Signature]**

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.

WAIVER

The undersigned coal operator      / owner      / lessee      / of the coal under this well location 04/19/2024 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       
Its

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

**RECEIVED**  
SEP 23 1983

FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 085-5602 County Ritchie  
Company KOBER O.I. INC. Farm WOODROW HAMMOND  
Inspector MIKE U. Well No. 1#  
Date 9-16-83

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
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 Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	<u>X</u>	_____

COMMENTS: FINAL INSPECTION O.K. RELEASE.

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Mike U.  
DATE: 9-16-83





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

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

October 7, 1983

Kober Oil, Inc.  
P. O. Box 20875  
Billings, Montana 59104

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
47-085-5601	Everett Mason, et ux, #2-A	Clay
47-085-5602	Woodrow Mammond, et ux, #1	Clay

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator

04/19/2024



**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
 (Sections 102, 103, 107 and 108)**

**PLEASE READ BEFORE COMPLETING THIS FORM:**

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	—	New onshore production well
107	—	High cost natural gas
108	—	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:





PARTICIPANTS:

DATE: JAN 31 1983

BUYER-SELLER CODE

WELL OPERATOR: Kober Oil, Inc.

FIRST PURCHASER: not determined

OTHER: \_\_\_\_\_

FB

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
82-09-22-107-085-5602  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- ITEM NO.
1. FERC -121  Items not completed - Line No. deregulated
  2. IV-1 Agent Mike Strickland
  3. IV-2 Well Permit —
  4. IV-6 Well Plat
  5. IV-35 Well Record  Drilling  Deepening —
  6. IV-36 Gas-Oil Test: Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
  7. IV-39 Annual Production \_\_\_\_\_ years \_\_\_\_\_
  8. IV-40 90 day Production \_\_\_\_\_ Days off line: \_\_\_\_\_
  9. IV-48 Application for certification. Complete?
  - 0-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete?  Affidavit Signed
  - 8-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_
  - (5) Date commenced: 6-4-82 Date completed 6-7-82 Deepened —
  - (5) Production Depth: 4442
  - (5) Production Formation: Ohio shale
  - (5) Final Open Flow: 350  
500 mcf
  - (5) After Frac. R. P. 550 # 24 hrs
  - (6) Other Gas Test: —
  - (7) Avg. Daily Gas from Annual Production: —
  - (8) Avg. Daily Gas from 90-day ending w/1-120 days —
  - (8) Line Pressure: — PSIG from Daily Report
  - (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
  - 0-17. Does lease inventory indicate enhanced recovery being done No
  - 0-17. Is affidavit signed?  Notarized?
  - Does official well record with the Department confirm the submitted information? yes
  - Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
  - Is Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

04/19/2024



DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's  
Well No. 1 - W

API Well No.

47 - 085 -  
State County

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE  
NGPA Section 107

DESIGNATED AGENT Mike Strickland

ADDRESS Rt. 1, Box 51A  
Cairo, West Virginia 26337

LOCATION Elevation GL 1070'  
Watershed Whiskey Run

WELL OPERATOR Kober Oil, Inc.

ADDRESS Route 1 - Box 51A  
Cairo, WV 26337

Dist. Clay County Ritchie Quad. EL

Gas Purchase  
Contract No. \_\_\_\_\_

GAS PURCHASER Not yet determined

Meter Chart Code \_\_\_\_\_

ADDRESS \_\_\_\_\_

Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling began: June 4, 1982

Indicate the bottom hole pressure of the well and explain how this was calculated

Bottom Hole Pressure (BHP) =  $P_1 + P_1 \left[ \frac{(GL/53.34 T)}{e} - 1 \right]$

$P_1 = 550$  psi  
 $e = 2.718$   
 $G = .762$   
 $L = 4442'$  KB  
 $T = 5510$ R

BHP =  $550 + 550 \left[ \frac{.1152}{e} - 1 \right] = 617$  psi

AFFIDAVIT

I, Richard A. Brown, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is non-Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Richard A. Brown

STATE OF WEST VIRGINIA

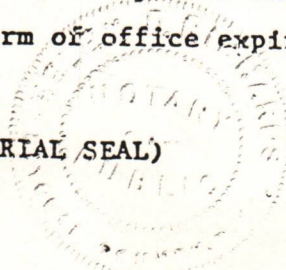
COUNTY OF RITCHIE, TO-WIT:

I, HELEN D. RICHARDS, a Notary Public in and for the state and county aforesaid, do certify that RICHARD A. BROWN, whose name is signed on the writing above, bearing date the 19th day of August, 19 82, has acknowledged the same before me, in my county aforesaid.

04/19/2024

Given under my hand and official seal this 19th day of August, 19 82  
My term of office expires on the 13th day of April, 19 92.

(NOTARIAL SEAL)



Helen D. Richards  
Notary Public



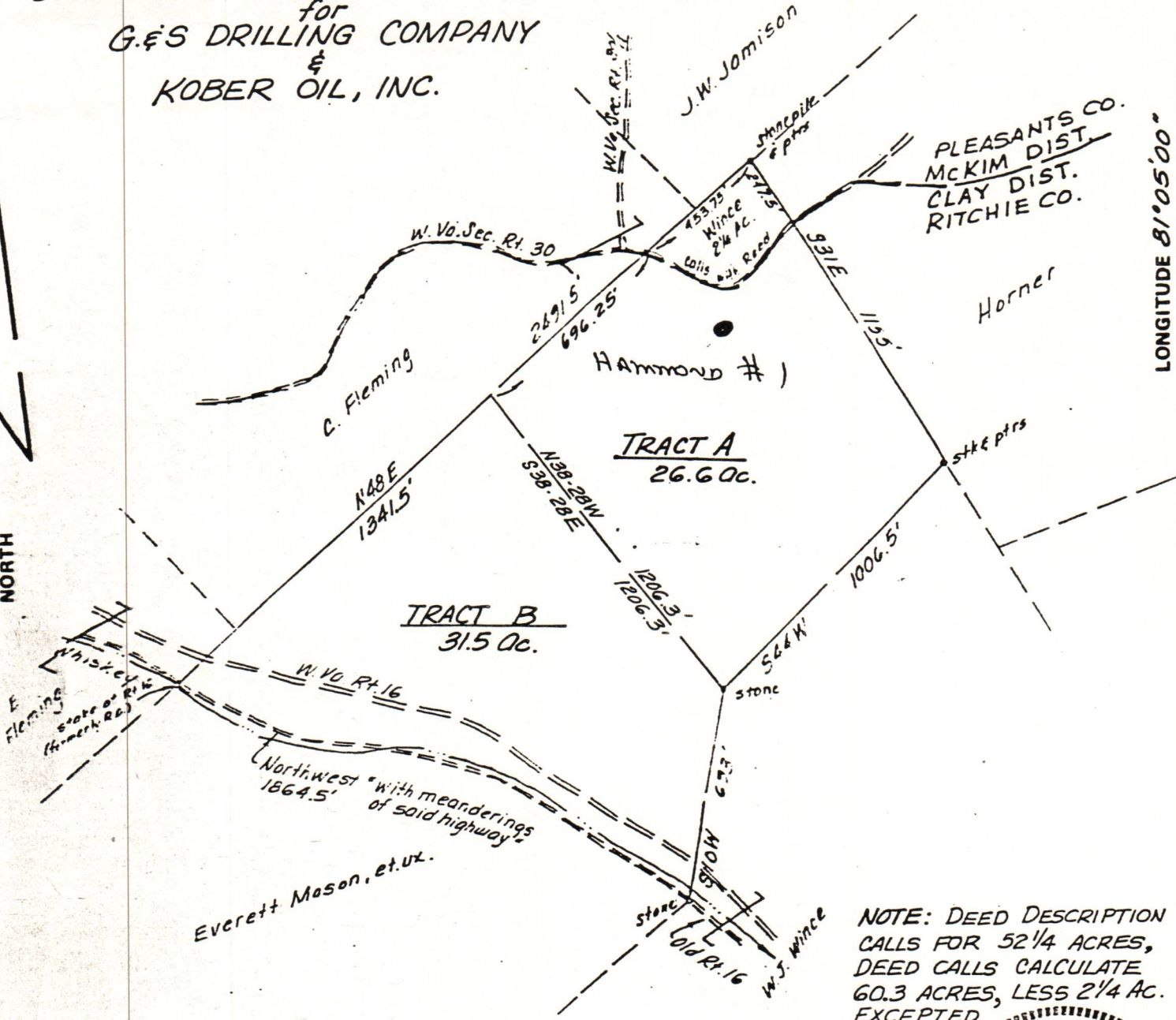
M. Reed

LATITUDE 39°20'00"

DIVISION OF WOODROW HAMMOND 50 AC.  
for  
G.E'S DRILLING COMPANY  
&  
KOBBER OIL, INC.

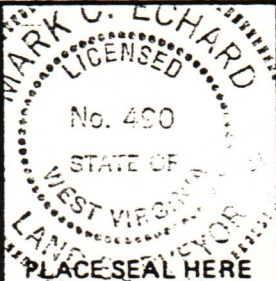
NORTH

LONGITUDE 81°05'00"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE \_\_\_\_\_  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION \_\_\_\_\_

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.  
 Mark C. Echard  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE \_\_\_\_\_, 19\_\_\_\_  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. \_\_\_\_\_  
 47 - 085 - 5602  
 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 1070 GL WATER SHED \_\_\_\_\_  
 DISTRICT CLAY COUNTY RITCHIE  
 QUADRANGLE ELLENBORO 7 1/2'  
 SURFACE OWNER HAMMOND ACREAGE 50  
 OIL & GAS ROYALTY OWNER WOODROW HAMMOND LEASE ACREAGE \_\_\_\_\_ LEASE NO. 1  
 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 OHIO SHALE ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR \_\_\_\_\_ DESIGNATED AGENT \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS \_\_\_\_\_

04/19/2024



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

Perforations Intervals from 4336' - 4349' - 20 holes and  
Perforated 3696'-3706' - forty (40) holes

Zone 1: Stress Frac. 45,000# 2040 Sand; 5,000# 1020 Sand; 1.3 million nitrogen broke down with 1000 gallons 15% acid.

Zone 2: Stress Frac. 1 million cubic feet nitrogen frac.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Unconsolidated sand, gravel and clay			0	180	
Mannington Sand			180	191	
Waynesburg Sand			300	358	
Pittsburgh Coal			590	592	
Sand and Shale			592	820	
Murphey Sand			820	850	
Second Cow Run Sand			1449	1485	
First Salt Sand			1589	1641	
Third Salt Sand			1708	1786	
Maxton Sand			1834	1872	
Greenbrier Limestone			1880	1949	
Keener Sand			1949	1961	
Big Injun Sand			1979	2104	
Berea			2589	2592	
Ohio Shale			2592	4497	
Total Depth				4497 KB	

(Attach separate sheets as necessary)

KOBER OIL INC  
Well Operator  
By: James E. Houch 04/19/2024  
Date: 8-24-82

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."







DATE April 30, 1982  
WELL NO. HAMMOND #1  
API NO. 47-085 5602

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

OWNER NAME Kober Oil, Inc.  
Address Rte #1 CAIRO, W.VA. 26337  
Telephone 485-6200 ext 115  
OWNER Woodrow Hammond, et ux

DESIGNATED AGENT Mike Strickland  
Address Rte #1 CAIRO, W.VA. 26337  
Telephone 485-6200 ext 115  
SOIL CONS. DISTRICT Little Kanawha

Vegetation to be carried out by Mike Strickland (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-3-82 (Date)

Jarrett Newlon  
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>EARTHEN &amp; STONE</u> (A)	Structure <u>Diversion Ditches</u>
Material <u>EARTHEN</u>	Material <u>EARTHEN</u>
Ref. Manual <u>(2-12)</u>	Page Ref. Manual <u>(2-10)(5)</u>
Structure <u>Drainage Ditch</u>	Structure <u>Rock-Rip-Rap</u>
Material <u>ROCK</u>	Material <u>ROCK</u>
Ref. Manual <u>(2-10)(6)</u>	Page Ref. Manual <u>(2-14)(9)</u>
Structure <u>CROSS DRAIN</u> (C)	Structure <u>Pit</u>
Material <u>EARTHEN</u>	Material <u>EARTHEN</u>
Ref. Manual <u>(2-1) → (2-3)</u>	Page Ref. Manual <u>N/A</u>

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 removed from the site before dirt work begins.

REVEGETATION

Treatment Area I  
Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch (Hay) ~~2~~ 2 Tons/acre  
~~50~~ 50 lbs/acre  
Seed\* (Ky 31) 50 lbs/acre

Treatment Area II  
Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)  
Mulch (Hay) ~~2~~ 2 Tons/acre  
Seed\* (Ky 31) 50 lbs/acre

04/19/2024

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

PLAN PREPARED BY MARK C. ECHARD  
Star Rte 71, Box 6

ADDRESS Glennville, W.Va. 26351  
462-5565


NOTES: Please request landowners' cooperation to protect new seedling for one growing season.




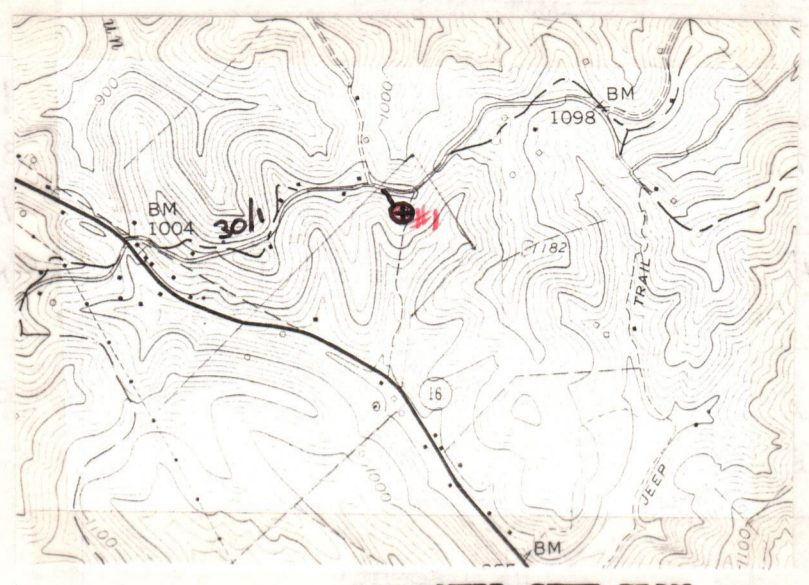
5002

ATTACH OR PHOTOCOPY SECTION OF  
 INVOLVED TOPOGRAPHIC MAP.  
 SUPERANGLE Ellenboro 7.5'

LEGEND

Well Site 


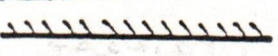
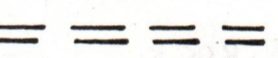



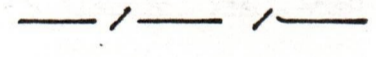

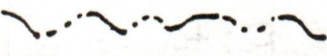
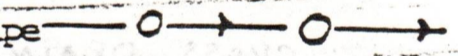
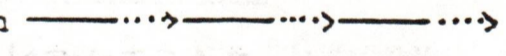
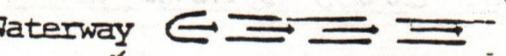
Access Road 

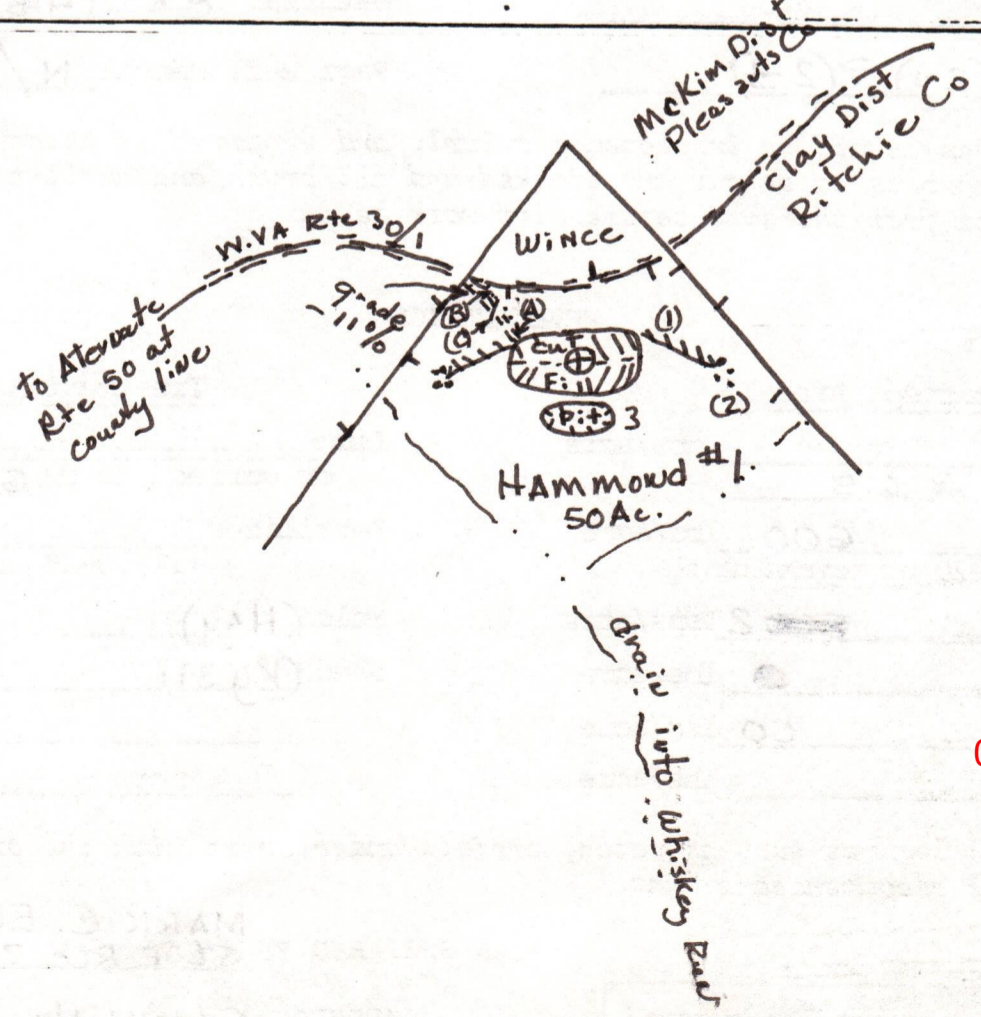


WELL SITE PLAN

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 



04/19/2024