

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Unknown
Address _____

GEOLOGICAL TARGET FORMATION, EIK

Estimated depth of completed well, 5100 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 150 feet; salt, _____ feet.

Approximate coal seam depths: 0 Is coal being mined in the area? Yes _____ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft			For drilling	Left in well		Kinds	Sizes
Conductor	11 3/4	CW	45#	X		245'	245'	CTS		
Fresh Water	8 5/8	ERW	23#	X		1200'	1200'	CTS		Baker
Coal										
Intermediate										
Production	4 1/2	ERW	10.5#	X		0	5500'	350 sbs.		Depths set 4000
Tubing	2 3/8	CW	4.7#	X			4000'	0		
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 2-3-83
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 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 _____

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Rimrock Production Corp.

DESIGNATED AGENT Robert L. Murdock

Address 4424B Emerson Ave., Parkersburg, W.V.

Address 4424B Emerson Ave., Parkersbrtg W.V

Telephone 304-428-1520

Telephone 304-428-1520

LANDOWNER Walter A. Crane Heirs

SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Rimrock Production Corp. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-26-82 (Date)

Jarrett Newlon
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>See notes on reverse</u>	(A) Structure <u>Diversion Ditch</u> (1)
acing	Material <u>Earthen</u>
ge Ref. Manual	Page Ref. Manual <u>I:9</u>
Structure	(B) Structure <u>Sediment Barrier</u> (2)
acing	Material <u>Stone</u>
ge Ref. Manual	Page Ref. Manual <u>I:15</u>
Structure	(C) Structure <u>RECEIVED</u> (3)
acing	Material <u>MAY 26 1982</u>
ge Ref. Manual	Page Ref. Manual <u>OIL AND GAS DIVISION WV DEPARTMENT OF MINES</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 cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I + II	Structure XXXXXXXXXXXX
Lime _____ Tons/acre or correct to pH <u>6.5</u>	Lime _____ Tons/acre or correct to pH _____
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer _____ lbs/acre (10-20-20 or equivalent)
ch <u>Hay</u> 2 Tons/acre	Mulch _____ Tons/acre
d* <u>Ky-31</u> 35 lbs/acre	Seed* _____ lbs/acre
<u>Tall Fescue</u> 10 lbs/acre	_____ lbs/acre
_____ lbs/acre	_____ 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 Smith Land Surveying

ADDRESS 111 South Street

Glenville, W.V. 26351

PHONE NO. 304-462-5634

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

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

Stage 1 3960-4860 26 holes
850,000 scf N₂

Stage 2 3090-3860 21 holes
850,000 scf N₂

Stage 3 2300-3020 21 holes
850,000 scf N₂

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			0	15	
Sandstone and Shale			15	50	
Sandstone and Shale			50	100	
Sandstone and Shale			100	200	
Sandstone and Shale			200	300	
Sandstone and Shale			300	400	
Sandstone and Shale			400	500	
Siltstone			500	600	
Sandstone and Shale			600	700	
Siltstone			700	800	
Siltstone			800	900	
Siltstone and Sandstone			900	1000	
Sandstone and Shale			1000	1100	
Sandstone and Shale			1100	1200	
Sandstone and Shale			1200	1300	
Sandstone and Shale			1300	1400	
Sandstone, Siltstone and Lime			1400	1500	
Limy Sandstone			1500	1600	
Silty Sandstone			1600	1668	
Limy Sandstone			1668	1800	Gas Show
(Big Injun)					
Sandy Siltstone			1800	2050	
Wier Sand			2050	2100	
Sandy Siltstone			2100	2183	
Berea			2183	2185	
Sandy Siltstone			2185	2350	
Fifty Foot			2350	2400	
Sandy Siltstone			2400	2450	
Gordon			2450	2503	
*Devonian Shale			2503	4810	
(Intermittant Shales and Sandy Siltstones)					
Alexander			4810	4873	

*Most Devonian Shale names not differetiated.

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION
Well Operator

04/19/2024

By: Alison Crane

Date: August 25 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic

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

RECEIVED

AUG 11 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5658

Oil or Gas Well _____
(KIND)

Company Rimrock Production Corp

Address _____

Farm Walter A. Crane

Well No. Crane B #1

District Union County Pit

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

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
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: Ran on 8-6-82 23 joints of 8 5/8 casing
total of 976' 275 sacks cement Cemented by Mass

8-7-82
DATE

Sam Newman 04/19/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

AUG 17 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5658

Oil or Gas Well _____
(KIND)

Company <u>Remrock Production Corp</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Walter A. Crans</u>	16			Kind of Packer _____
Well No. <u>Crans B#1</u>	13			
District <u>Union</u> County <u>Rit</u>	10			Size of _____
Drilling commenced <u>8-5-82</u>	8 1/4			
Drilling completed _____ Total depth <u>5015</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 A.B. Collins Henney Drenner - Alva Roger

Contractor F.W.A. Tool Pusher = Harley Jars

Remarks: Trying to flush Logging tool out of Hole

8-10-82
DATE

Samuel N. H. 04/19/2024
DISTRICT WELL INSPECTOR



RECEIVED
FEB 22 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	Rimrock Production Company	PERMIT NO	085-5658
	4424 "B" Emerson Avenue	FARM & WELL NO	W.A. Crane # B-1
	Parkersburg, W.Va. 26104	DIST. & COUNTY	Union/Ritchie

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 Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

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

SIGNED Samuel W. Herman

DATE 4/22/83

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. L. ...
Administrator-Oil & Gas Division

February 27, 1984
DATE

04/19/2024