

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1850 PBL & 2510 PBL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12 miles southeast of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1850'

(790')

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1150'

(dry PC well)

16. NO. OF ACRES IN LEASE

43,146.62

19. PROPOSED DEPTH

6,500

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

To be reported later

22. APPROX. DATE WORK WILL START*

March 9, 1966

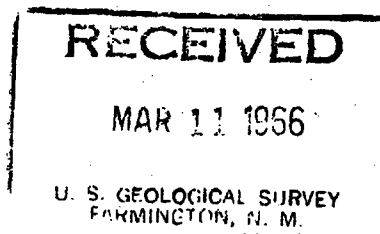
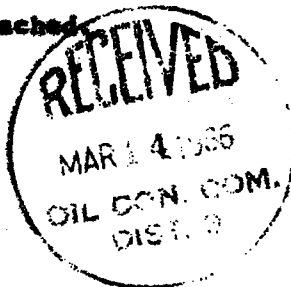
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	350'	200 sacks
7-7/8"	4-1/2"	10.3#	6500'	1400 sacks (Two stage tool set 180' below base of Mesaverde with possible third stage tool set below Pictured Cliffs)

Completion will be determined upon reaching total depth.

Copies of Location Plat are attached



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

ORIGINAL

G. W. Eaton, Jr.

SIGNED

G. W. Eaton, Jr.

TITLE

Area Engineer

DATE

March 8, 1966

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

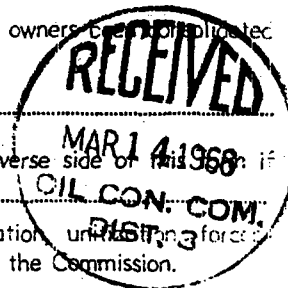
Operator PAN AMERICAN PETROLEUM CORPORATION			Lease GALLEGOS CANYON UNIT (DAKOTA)		Well No. 244
Unit Letter J	Section 36	Township 28 NORTH	Range 12 WEST	County SAN JUAN	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1850 feet from the SOUTH line and 2510 feet from the EAST line </div>					
Ground Level Elev. REPORT LATER	Producing Formation DAKOTA	Pool EASIN DAKOTA	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

(X) Yes () No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this plat if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



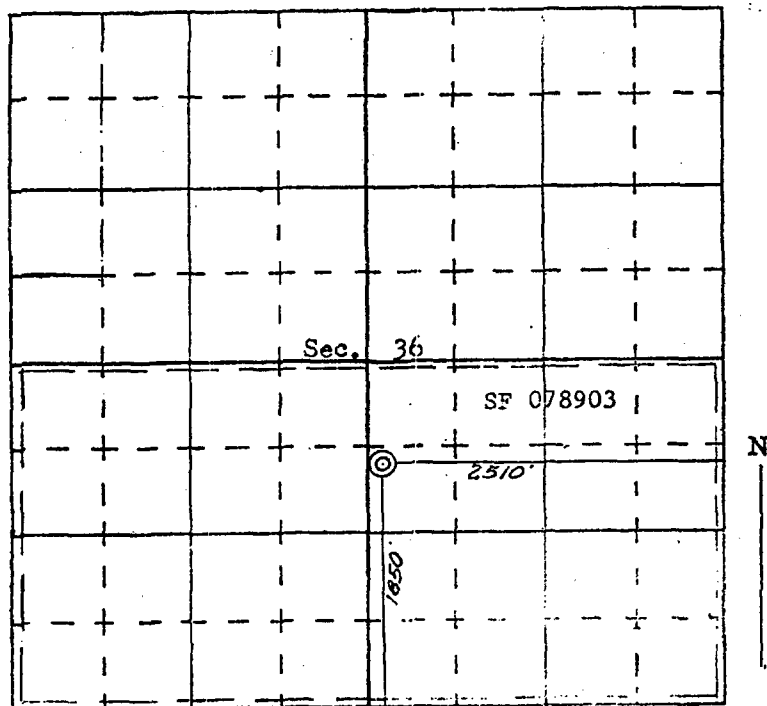
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

G. W. Eaton, Jr.
Name
G. W. Eaton, Jr.
Position
Area Engineer
Company
PAN AMERICAN PETROLEUM CORP.
Date
March 7, 1966

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

March 7, 1966
Date Surveyed
James F. Lees
Registered Professional Engineer
and/or Land Surveyor
James F. Lees
Certificate No. 1463



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Fox American Petroleum Corporation						6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
3. ADDRESS OF OPERATOR Security Life Building Denver, Colorado						7. UNIT AGREEMENT NAME Gallegos Canyon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1850 PSL & 2310 PSL At top prod. interval reported below At total depth SAME						8. FARM OR LEASE NAME _____	
14. PERMIT NO. _____						9. WELL NO. 244	
15. DATE SPUDDED 3/28/66						10. FIELD AND POOL, OR WILDCAT Basin Dakota	
16. DATE T.D. REACHED 4/6/66						11. SEC., T., R., M., OR BLOCK AND SURVEY NW 1/4 SE 1/4 Section 36 T28N-R12W	
17. DATE COMPL. (Ready to prod.) 3/12/66						12. COUNTY OR PARISH San Juan	
18. ELEVATIONS (OF, BBL, RT, GR, ETC.)* 5047						13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 6520		21. PLUG, BACK T.D., MD & TVD 6431		22. IF MULTIPLE COMPL., HOW MANY* _____		23. INTERVALS DRILLED BY Surface to 6520	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6410-6435, 6341-6346, 6364-6369 Dakota						25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction electric log, Gamma Ray sonic						27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24.4		387		12-1/4"	
4-1/2"		10.54		6515		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8		6321					
31. PERFORATION RECORD (Interval, size and number)							
6410-6435 with 3 shots per foot							
6341-6346, 6364-6369 4 shots per foot							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
6410-6435				500 gallons 7-1/2% acid 39,816 gal water, 40,000 lbs sand			
6341-6369				32,928 gallons water 30,000 lbs sand.			
33. PRODUCTION							
DATE FIRST PRODUCTION 3/12/66		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 3/25/66		HOURS TESTED 3 hr.		CHOKE SIZE 3/4		PROD'N. FOR TEST PERIOD 389	
FLOW. TUBING PRESS. 252		CASING PRESSURE 684		CALCULATED 24-HOUR RATE 3116		OIL—BBL. 389	
						GAS—MCF. 389	
						WATER—BBL. 389	
						OIL GRAVITY-API (CORR.) 389	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Company						TEST WITNESSED BY _____	
35. LIST OF ATTACHMENTS _____							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED B. I. TOLLISON		TITLE Administrative Assistant		DATE June 8, 1966			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Nacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:			
SHOW ALL IMPORTANT ZONES OF POROSITY AND COMPLETION INTERVALS; CORRELATE INTERVALS, AND ALL WELL-TO-TO-TO INTERVALS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
NO CORE			
NO TEST			
Well History			
			Well was spudded on 3/28/46 and drilled to a depth of 387' where 8-5/8" casing Pictured Cliffs was set with 225 sacks cement containing 2% CACI. Well was drilled to depth of 6515 and 4-1/2" casing was set at that depth with stage tool set at 4660 and 1940. Cemented first stage with 400 sacks type "C" cement containing 6% Gel and 2 lbs. medium tuf plug per sack followed by 100 sacks "C" neat cement. Cemented second stage with 300 sacks type "C" containing 6% Gel and 2 lbs. medium tuf plug per sack followed by 30 sacks type "C" neat cement. Cemented third stage with 325 sacks type "C" cement containing 6% gel and 2 lbs. medium tuf plug per sack followed by 30 sacks "C" neat cement. Displaced casing with water containing .8% potassium chloride and 2-1/2 lbs J-100 per 1000 gallons and spotted 300 gallons regular 7-1/2% acid. Perforated 6410-6435 with 3 shots per foot. Fraced these perforations with 30,816 gallons water treated as above and 30,000 lbs 20-40 sand and 10,000 lbs 10-20 sand. Breakdown pressure 2300, treating pressure 3300, average injection rate 54 BPM. Bridge plug set at 6390'. Perforated 6341-6346 and 6364-6369 with 6 shots per foot. Fraced these perforations with 32,926 gallons water treated as above and 25,000 lbs, 20-40 sand and 5,000 lbs. 10-20 sand. Breakdown pressure 3,500, treating pressure 3,500, average injection rate 48 BPM. 2-3/8" tubing was landed at 6321'. On 5/12/46 well was completed on Basin Dakota Field Development Gas Well. On 5/25/46 well flowed at 3116 MCFD with tubing pressure flowing 252 and casing pressure flowing 684. Top pay Dakota 6302.
38. GEOLOGIC MARKERS			
			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
LOG TOPS			
			1811
			2040
			3385
			4260
			5422
			6010
			6242
			6303
			6340
			6400

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-100) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-11690
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator BP America Production Company		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 3092 Houston, Tx 77253		7. Lease Name or Unit Agreement Name: Gallegos Canyon Unit (Federal Well SF 078903 also filed on BLM form 3160-5)
4. Well Location Unit <u>Letter J</u> <u>1850</u> feet from the <u>South</u> line and <u>2510</u> feet from the <u>East</u> line Section <u>36</u> Township <u>28N</u> Range <u>12W</u> NMPM San Juan County		8. Well No. 244
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 6033' GR		9. Pool name or Wildcat Basin Fruitland Coal & Kutz PC, West

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: Add perms in PC & FC & DHC <input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company requests permission to plug back from the Dakota and recomplete to commingle the Kutz Pictured Cliffs, West Pool and Basin Fruitland Coal Pool as per the attached procedure.

The Basin Fruitland Coal (71629) & Kutz Picture Cliffs, West (79680) Pools are Pre-Approved for Down hole Commingling per NMOCDCASE NO.12520, ORDER NO. R-11567 effective 04/26/2001. Although the interest owners are not identical between these two pools, this same order established approval for subsequent applications for the down hole commingling of production in wellbores within the Gallegos Canyon Unit without notice to the unit interest owners, therefore, no additional notification is required prior to down hole commingling approval.

Production is proposed to be allocated based on a fixed percentage using the actual production rate from two offset wells; the Gallegos Canyon Unit #55 & Gallegos Canyon Unit #56. Both wells produce from the Basin Fruitland Coal @ 24% and the Pictured Cliffs @ 76%. That production percentage will serve as a base for production from the above mentioned well.

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 07/09/03

Type or print name Cherry Hlava Telephone No. 281-366-4081

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 13 DATE JUL 14 2003

Conditions of approval, if any:

HOLD C104 FOR

NSL-PC/FC

GCU Well Work Procedure

Well Name: GCU 244
Date: 6/26/03
Project Number X5-xxxxx

Objective:

Plug back from Dakota and recomplete to commingled Fruitland Coal/Pictured Cliffs.

Pertinent Information:

Location: 1850' FSL & 2510' FEL
Sec. 36, T28N, 12W
County San Juan
State: New Mexico
Meter No. 75386
Well FLAC 98572901

Horizon: Fruitland Coal & PC
API #: 30-045-11690
Engr: John Papageorge
Phone: W (281) 366-5721
H (713) 464-5053

Note: Charge invoices associated with steps #1 through #5 to DRA WBS element of project.

1. Check anchors. MIRUSU.
2. Blow down wellhead, kill if necessary. ND tree, NU and pressure test BOP.
3. TOH with 2-3/8" tubing.
4. PXA Dakota. RIH with CIBP on tubing and set at approximately 6200'. Load well with KCl water. Pressure test casing to 300 psi.
5. Spot 150' cmt plug on top of CIBP. Spot 150' balanced cement plugs in casing across Gallup from 5300' to 5450' and Mesa Verde Cliffhouse from 2650' to 2800'.
6. Run GR/CCL. Correlate to Schlumberger Induction Log dated 4/5/66.
7. Perforate the following intervals using 3-1/8" HSC, 120 degree phasing:
Fruitland Coal - xxxx-xxxx' (x spf)
Pictured Cliffs - xxxx-xxxx' (x spf)
8. RU frac equipment and install WH isolation tool. Fracture stimulate down casing according to schedule 'A'.
9. Immediately flow back frac load on 1/4" choke for 8 hours then open to 1/2" choke until well loads up or until a sufficient test is achieved.
10. Clean out to PBTD.
11. TIH with 2 3/8" tubing. Land one joint below PC/FC at approximately xxxx'. ND BOP. NU tree.
12. Run pump and rods. RD MO SU.
13. Hook up to pumping unit. Pump back load water and test.

GCU #244

Wellbore Diagram

6/26/03

1850' FSL X 2510' FEL

Sec. 36, T28N, R12W

San Juan Co., NM

Current Configuration

Proposed

GL: 6033'
KB: 6047'

Surface Csg: 8 5/8", 24#
@ 387'

DV @ 1949'
good circ, no cmt to surf.

DV @ 4660'
good circ, no cmt to surf.

Tubing:
2 3/8" 4.7# J-55
@ 6375'

Dakota Perforations:
6341-6346'
6364-6369'
6410-6435'

Prod Csg: 4-1/2", 10.5#
@ 6515'

PBTD: 6481'
TD: 6520'

Fruitland Coal & PC
Perfs
xxxx-xxxx

Mesaverde
top@2730'
cmt 2650-2800'

Gallup
top@5422'
cmt 5300-5450'

CIBP@6200'

GCU Well Work Procedure

Well Name: GCU 244
Date: 6/26/03
Project Number X5-xxxxx

Objective:

Plug back from Dakota and recompleate to commingled Fruitland Coal/Pictured Cliffs.

Pertinent Information:

Location: 1850' FSL & 2510' FEL
Sec. 36, T28N, 12W
County San Juan
State: New Mexico
Meter No. 75386
Well FLAC 98572901

Horizon: Fruitland Coal & PC
API #: 30-045-11690
Engr: John Papageorge
Phone: W (281) 366-5721
H (713) 464-5053

Note: Charge invoices associated with steps #1 through #5 to DRA WBS element of project.

1. Check anchors. MIRUSU.
2. Blow down wellhead, kill if necessary. ND tree, NU and pressure test BOP.
3. TOH with 2-3/8" tubing.
4. PXA Dakota. RIH with CIBP on tubing and set at approximately 6200'. Load well with KCI water. Pressure test casing to 300 psi.
5. Spot 150' cmt plug on top of CIBP. Spot 150' balanced cement plugs in casing across Gallup from 5300' to 5450' and Mesa Verde Cliffhouse from 2650' to 2800'.
6. Run GR/CCL. Correlate to Schlumberger Induction Log dated 4/5/66.
7. Perforate the following intervals using 3-1/8" HSC, 120 degree phasing:
Fruitland Coal - xxxx-xxxx' (x spf)
Pictured Cliffs - xxxx-xxxx' (x spf)
8. RU frac equipment and install WH isolation tool. Fracture stimulate down casing according to schedule 'A'.
9. Immediately flow back frac load on 1/4" choke for 8 hours then open to 1/2" choke until well loads up or until a sufficient test is achieved.
10. Clean out to PBTD.
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