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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: E-2940

7. Unit Agreement Name: 30-045-20294

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

8. Farm or Lease Name: State Gas Com "M"

2. Name of Operator: PAN AMERICAN PETROLEUM CORPORATION

9. Well No.: 1

3. Address of Operator: 501 Airport Drive, Farmington, New Mexico 87401

10. Field and Pool, or Wildcat: Blanco Pictured Cliffs

4. Location of Well: UNIT LETTER H LOCATED 1600 FEET FROM THE North LINE AND 1190 FEET FROM THE East LINE OF SEC. 2 TWP. 29-N RGE. 9-W NMPM

12. County: San Juan

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
7-11-68	7-15-68	8-8-68	GL 5721, RDB 5732'	5721'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
2521'	2472'		→	0-TD	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 2390-2405' Pictured Cliffs

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Gamma Ray Correlation in casing

27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	219'	12-1/4"	200 sx.	None
4-1/2"	9.5#	2521'	7-7/8"	650 sx.	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1-1/2"	2411'	No

31. Perforation Record (Interval, size and number): 2390-2405' x 2 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2390-2405'	Frac w 15,000 gal. wt. & 25,000 lbs. sn & sn off. Frac w 21,000 gal. wt., 13,500 lbs. 10-20 sn. & 14,500 lbs. 8-12 sn.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
	Flowing	Shut in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
8-15-68	3	3/4"		--		---	--

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity -- API (Corr.)
87	78			1069		

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 information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED G. W. Eaton, Jr. (ORIGINAL SIGNED BY G. W. Eaton, Jr.) TITLE Area Engineer DATE August 20, 1968

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
~~LOG TOP~~							
2390'			Pictured Cliffs				

NO. OF COPIES RECEIVED		4	
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U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS	1	
OPERATOR		1	
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

30-045-20294

I.

Operator
PAN AMERICAN PETROLEUM CORPORATION

Address
501 Airport Drive, Farmington, New Mexico 87401

Reason(s) for filing *(Check proper box)*
New Well [X]
Recompletion [ ]
Change in Ownership [ ]
Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]

Other *(Please explain)*
Pan American Petroleum Corp. has changed its name to Amoco Production Company effective 12-1-67.

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
State Gas Com "BM"	**1**	**Blanco Pictured Cliffs**	State, Federal or Fee **State**	**E-2940**

Location
Unit Letter **H** ; **1600** Feet From The **North** Line and **1190** Feet From The **East**

Line of Section **2** Township **29-N** Range **9-W** , NMPM, **San Juan** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ] — Address *(Give address to which approved copy of this form is to be sent)*

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X] — Address *(Give address to which approved copy of this form is to be sent)*
El Paso Natural Gas Company — **Box 990, Farmington, New Mexico 87401**

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					No	

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
7-11-68	**8-8-68**	**2521'**	**2472'**
Elevations *(DF, RKB, RT, GR, etc.)*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
GL 5721', RDB 5732'	**Pictured Cliffs**	**2390'**	**2411'**
Perforations			**Depth Casing Shoe**
2390-2405' x 2 SPF			**2521'**

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	8-5/8"	219'	200
7-7/8"	4-1/2"	2521'	650
	1-1/2"	2411'	

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
Length of Test	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
Actual Prod. During Test	**Oil-Bbls.**	**Water-Bbls.**	**Gas-MCF**

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AUG 22 1968
OIL CON. COM
DIST. 3

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1069 (AOF 1085)	**3 hr.**		
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Open Flow	**733**	**733**	**3/4"**

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

ORIGINAL SIGNED BY
G. W. Eaton, Jr.
(Signature)

Area Engineer
(Title)

August 20, 1968
(Date)

OIL CONSERVATION COMMISSION

APPROVED **AUG 22 1968**, 19____

BY Original Signed by Emery C. Arnold

TITLE SUPERVISOR DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

DEPUTY OIL & GAS INSPECTOR

DEC 30 1997

Approved

Meter Number:75871
Location Name:STATE GAS COM BM #1
Location:TN-29 RG-09
SC-02 UL-H
1 - State
NMOCD Zone:OUTSIDE
Hazard Ranking Score:00

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APR 14 1997
OIL CON. DIV.
DIST. 3

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	10^{-9} to 10^{-13} cm/sec
Shale	10^{-12} to 10^{-16} cm/sec
Clay	10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

EPFS
EL PASO FIELD SERVICES

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75821 Location: STATE GAS COM BM #1
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter: H Section 2 Township: 29 Range: 9
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 4.28.94 Area: 10 Run: 22

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☐ (1)
Outside ☒ (2)

Land Type:
BLM ☐ (1)
State ☒ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) ☐ (1)
50 Ft to 99 Ft (10 points) ☐ (2)
Greater Than 100 Ft (0 points) ☒ (3)

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☐ (1)
200 Ft to 1000 Ft (10 points) ☐ (2)
Greater Than 1000 Ft (0 points) ☒ (3)
Name of Surface Water Body _____
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☒ (2) > 100'

TOTAL HAZARD RANKING SCORE: 0 **POINTS**

REMARKS

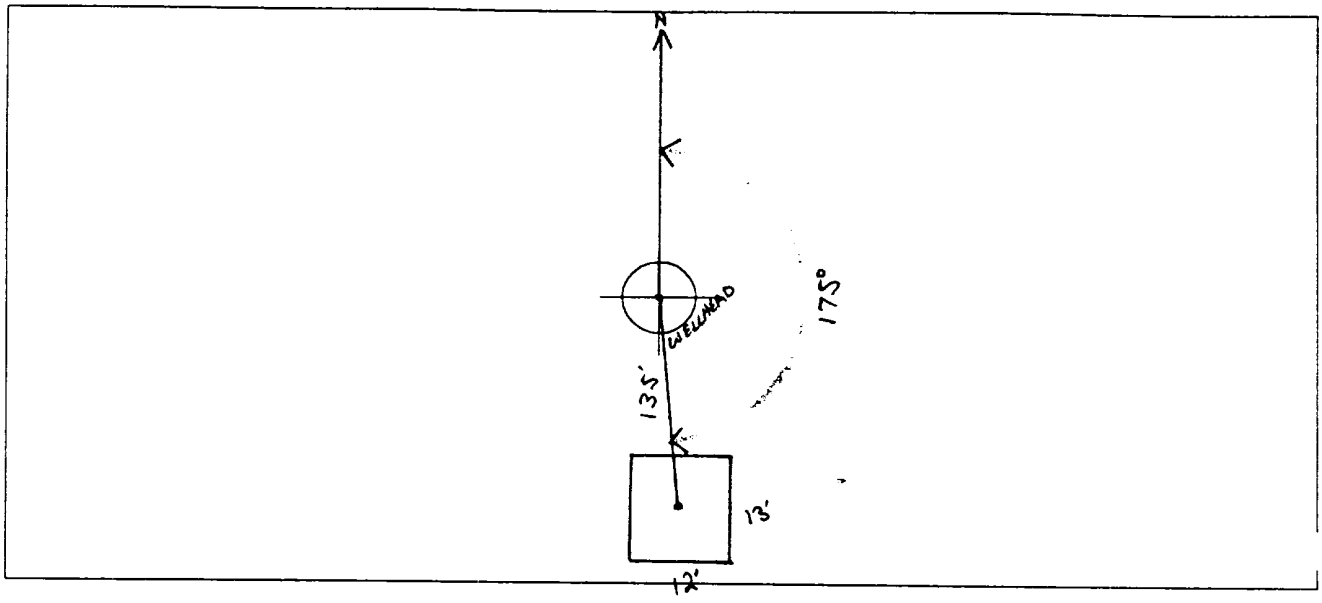
Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS UP ON TOP OF A HILL NEXT TO BASE OF A CLIFF. FEDLINE SHOWS LOCATION INSIDE V.Z. AND TOPO SHOWS IT JUST OUTSIDE AGAINST THE BORDER. BECAUSE OF THE LOCATION OF THIS SITE I SPOTTED IT OUTSIDE THE V.Z. PUSH IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 175° Footage from Wellhead 135'

b) Length : 13' Width : 12' Depth : 2'



REMARKS

Remarks :

TOOK PICTURES AT 12:20 P.M.

END DUMP

Completed By:

Robert Thompson

Signature

4·28·94

Date

GENERAL

Meter: 75871 Location: State Gas Com 13M #1

Coordinates: Letter: H Section 3 Township: 29 Range: 9

Or Latitude _____ Longitude _____

Date Started : 5-20-94 Area: 10 Run: 22

FIELD OBSERVATIONS

Sample Number(s): VW125 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 263 PID Reading Depth 12' Feet

	Yes	No	
Groundwater Encountered	☐ (1)	☐ (2)	Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation	☐ (1)	Approx. Cubic Yards _____
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☒ (3)	

Soil Disposition:

Envirotech	☐ (1)	☐ (3)	Tierra
Other Facility	☐ (2)	Name: _____	

Pit Closure Date: 5-20-94 Pit Closed By: BEI

REMARKS

Remarks : Line Markers, Location is Oily

Signature of Specialist: Vale Wilson

(SP3191) 04/07/94

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW125	945259
MTR CODE : SITE NAME:	75871	N/A
SAMPLE DATE : TIME (Hrs):	5-20-94	0945
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5/24/94	5/24/94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE : DESCRIPTION:	VG	Dark Grey course Sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	~~210~~ 207	jwd 6/14/94 MG/KG			2.03	28
HEADSPACE PID	263	PPM				
PERCENT SOLIDS	90.7	%				

– TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

ne Surrogate Recovery was at N/A % for this sample All QA/QC was acceptable.
arrative:

F = Dilution Factor Used

pproved By: John Labadie Date: 6/16/94

****
Test Method for
Oil and Grease and Petroleum Hydrocarbons
in Water and Soil

Perkin-Elmer Model 1600 FT-IR
Analysis Report
****

14/05/24 10:30

Sample identification
[illegible]

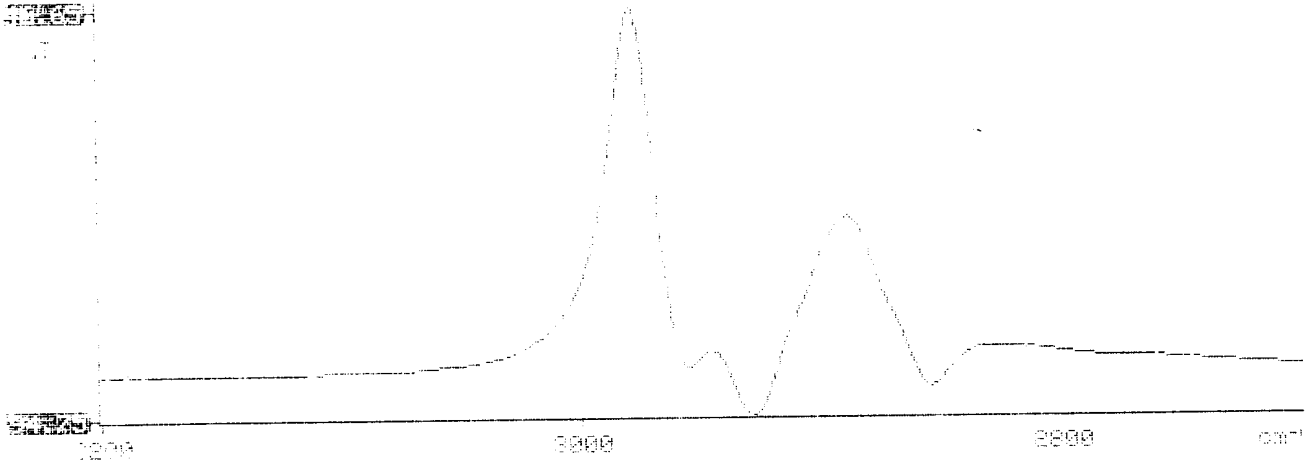
Initial mass of sample, g
[illegible]

Volume of sample after extraction, ml
[illegible]

Petroleum hydrocarbons, ppm
[illegible]

Net absorbance of hydrocarbons (2930 cm-1)
[illegible]

Petroleum hydrocarbons spectrum



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