

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Coleman Oil & Gas
ADDRESS: P.O. Box 443 Farmington NM 87499
CONTACT PARTY: Chuck Badsgard PHONE: 327-0416
- III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project: X Yes No
If yes, give the Division order number authorizing the project #SWD-457
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Chuck Badsgard TITLE: Vice-President
SIGNATURE: Chuck Badsgard DATE: 5/6/96
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. _____

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, PO Box 2088, Santa Fe, NM 87504-2088 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

OIL CONSERVATION DIVISION
STATE OF NEW MEXICO
2040 S. PACHECO
SANTA FE NEW MEXICO 87505

APPLICATION FOR DISPOSAL WELL MODIFICATION
FROM CLASS II TO CLASS I

COLEMAN OIL & GAS INC.
P.O. BOX 443
FARMINGTON NM 87499
ATTN: CHUCK BADSGARD
PHONE: 505-327-0416

PREPARED BY:
CREATIVE FUTURE TECHNOLOGIES
P.O. BOX 364
FARMINGTON NM 87499
PHONE: 505-632-0662

MAY 3, 1996

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I. Purpose

This discharge plan proposes to reclassify the existing Coleman Oil and Gas disposal well from a Class II to a Class I facility. This will allow additional sources of Oil & Gas produced wastes at this commercial facility however shall still be RCRA exempt.

II. Operator

Coleman Oil & Gas
P.O. Box 443
Farmington NM 87499
Attn: Chuck Badsgard
Phone: 505-327-0416

III. Well Data

A. Description

- 1.) Lease name; Sunco Disposal Well#1
Location; Section 2, T29N, R12W
Drawing; See attached "Exhibit A"
- 2.) Casing and Cementing; surface casing is 8 5/8" 24# K-55 set at 209' in 12-1/2" hole with 150 sacks of B cement 2% CACL₂ and 1/4# floccel circulated back to surface taking 180 cubic feet, long string 5-1/2" 15.5# K-55 set at 4762' with DV tool at 2244.17' cementing; first stage with 230 sx 65/35 Pozmix, 6% gel 5# sx Gilsonite, 1/4# sx Celoflake, and tailed with 265 sx class "B" with 5# sx Gilsonite and 1/4# Celoflake; second stage was cemented with 465 sx 65/35 Pozmix 6% gel and tailed with 50 sx class "B" neat cement with 2% Calcium Chloride. See attached "Exhibit B #1"
- 3.) Tubing Size and Depth; 2-7/8" J-55 8rd plastic lined set at 4281'; See attached "Exhibit B #2"
- 4.) Packer Information; 5-1/2' Arrow model XL-W retrievable seal bore with plastic coated bottom 2.688" seal bore set at 4282'

B. Formation

- 1.) Point Lookout 4380' to 4480'

- 2.) Interval perforated at 4350' to 4460' with 2 SPF and 220 holes; See attached "Exhibit C"
- 3.) Well was drilled for injection only.
- 4.) No other perforations.
- 5.) The depth of the next higher oil and gas producing zone is Pictured Cliffs at 2285' and the next lower is the top of the Dakota at 6550'.

IV. Expansion of Existing Well

- A. Currently operating under order #SWD-457

V. Map Identifying Leases

- A. 1/2 Mile radius; See attached "Exhibit D"
- B. One mile radius; See attached "Exhibit D"

VI. Area of Review Well Data

- A. Chart; See attached "Exhibit E"
- B. Hydrogeological Calculation; See attached "Exhibit F"

VII. Proposed Operation

- 1.) Injection rate; 2000-2800 BPD
- 2.) System; open
- 3.) Injection pressure; 2850 PSI; See attached "Exhibit G"
- 4.) Water sources shall include Oil & Gas produced Class I non-hazardous RCRA exempt; See attached "Exhibit H"
- 5.) Injection zone does not produce oil and gas and has an estimated TDS of 17,180 MG/L based on an analysis taken from the McGrath #4 well located in Unit B, Section 34, T30N, R12W; See attached "Exhibit I"

VIII. Injection Zone Data

The injection zone is the Point Lookout Sandstone of the Mesa Verde formation. It is a light to medium

gray angular to subangular, very fine grained sandstone with laminations of light to dark gray carbonaceous shale. It has a maximum porosity of 13 to 14% with an average of 10%. The average thickness is 100 feet and is at the depth of 4380' to 4480'. The underground water sources are the Nacimiento which is exposed at the surface and the Ojo Alamo which occurs from 500' to 700'; See attached "Exhibit J"

IX. Stimulation Program

The proposed stimulation program is to breakdown the perforated interval 4380' to 4480' with 5,000 to 7,500 gallons of 15% HCL and ball sealers.

X. Well Test Data

This data has previously been submitted.

XI. Fresh Water Data

The State Engineers Office shows one water well within one mile of the proposed well which was drilled in the SE,SE of Section 34,T30N,R12W in 1977 and was capped with a welded steel plate. There is no current information available.

XII. Affirmative Statement & Contingency Plan

We have examined the geologic data available and there is no apparent evidence of open faults or any other hydrologic connection between the Point Lookout formation and any underground source of drinking water.

In the accidental event of the cross transfer of disposed waters and fresh water the source will be stopped immediately upon detection and take the steps necessary to provide the extraction and monitoring equipment.

XIII. Proof of Notification

The public notice was previously listed: See attached "Exhibit K"

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XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Chuck Badsgard TITLE: Vice President
SIGNATURE: Chuck Badsgard DATE: 5/6/96

ATTACHMENTS

Exhibit A

Exhibit B #1

Exhibit B #2

Exhibit C

Exhibit D

Exhibit E

Exhibit F

Exhibit G

Exhibit H

Exhibit I

Exhibit J

Exhibit K

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

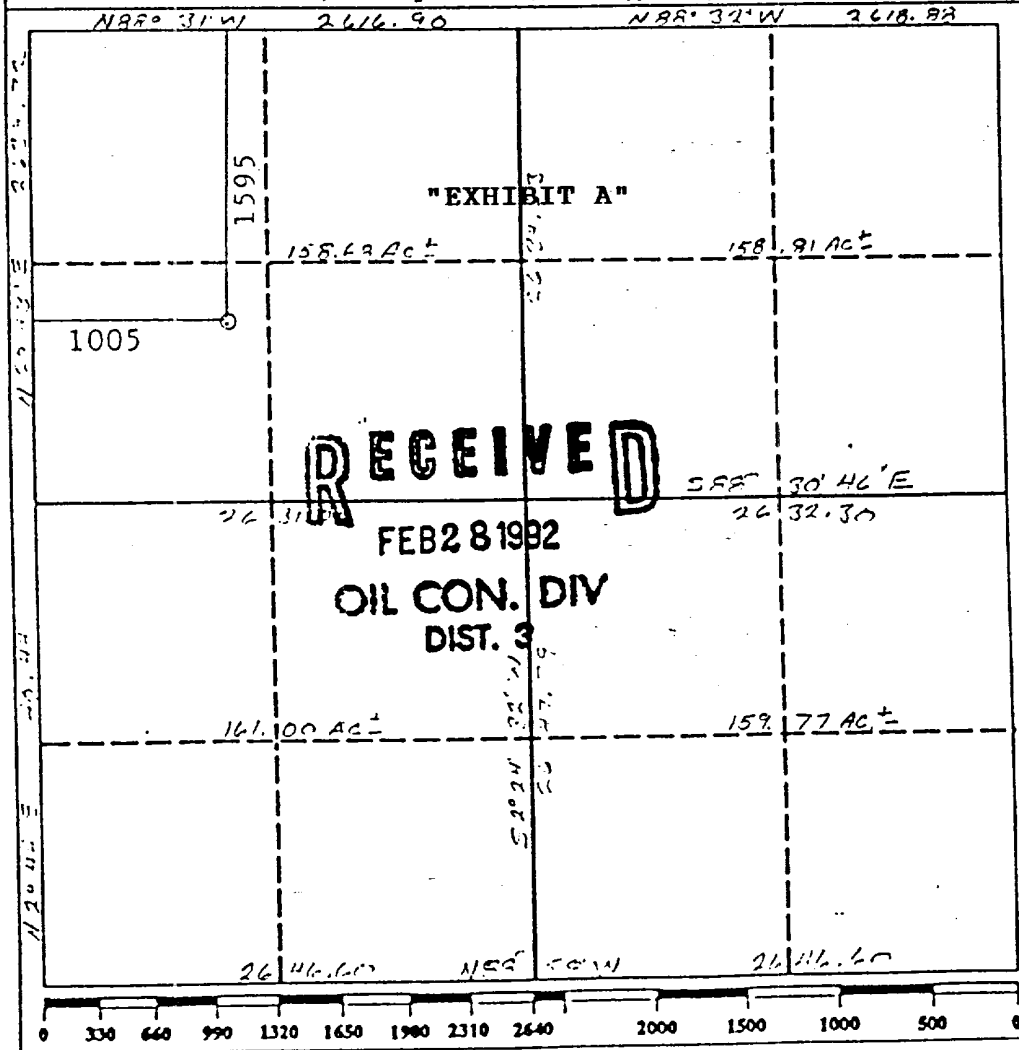
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator COLEMAN DRILLING OIL & GAS			Lease Sunco Disposal		Well No. 1
Unit Letter E	Section 2	Township 29N	Range 12W	County NMNM SAN JUAN	
Actual Footage Location of Well: 1595 feet from the NORTH line and 1005 feet from the WEST line					
Ground level Elev. 5859	Producing Formation MV		Pool Flora Vista	Dedicated Acreage: N/A Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

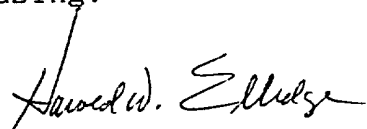


OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature <i>Ron Mahan</i>	Printed Name RON MAHAN
Position CONTRACTS MGR	
Company COLEMAN O & G	
Date 2/28/92	
SURVEYOR CERTIFICATION I hereby certify that the well 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. June 4, 1991	
Date Surveyed June 4, 1991	
Signature of Surveyor <i>Georg B. Tulas</i>	
Professional Surveyor REGISTERED PROFESSIONAL LAND SURVEYOR	
Certificate No. 9672	

Coleman Oil & Gas
Sunco Well #1
Unit E, Section 2, T29N, R12W
San Juan County, New Mexico

DRILLING HISTORY

02-02-92 Ran 138 jts 15.5# K-55 ST&C and LT&C casing measuring 4768.40' and landed at 4762' KB. Ran centralizers mid first joint, top of 3rd, 5th, 7th, 9th, 11th, 67th, and 69th joints. DV tool was run in top of 68th joint and is at 2244.17' KB. Ran cement basket above and below DV tool. Rig up Western Company and cemented 1st stage with 230 sx 65/35 Pozmix, 6% gel, 5 #/sx gilsonite, and 1/4#/sx celoflake and tailed in with 265 sx Class "B" with 5 #/sx gilsonite and 1/4#/sx celoflake. Preceded job with 20 bbls mud flush. Full returns throughout job. Bumped plug with 1500 psi at 4:00 p.m. Dropped bomb and opened Baker DV tool with 500 psi. Circulated out good amount of cement from above DV tool. Waited 4 hrs and cemented 2nd stage with 465 sx 65/35 Pozmix, 6% gel and tailed in with 50 sx Class "B" neat cement with 2% calcium chloride. Preceded job with 20 bbls mud flush. Full returns through job, circulated 25 bbls good cement to surface. Tool closed with 2500 psi and held good. Plug down 9:05 p.m. Set slips and cut off casing.


Harold W. Elledge
Petroleum Engineer

"EXHIBIT B #1"

"EXHIBIT B #1 CINTINUED"

Pipe Tally
Coleman Oil & Gas

Sunco Well #1

5 1/2" 15.5# LT&C & ST&C Casing

2/2/92

Jt.	Length	CUM	Jt.	Length	CUM	Jt.	Length	CUM	Jt.	Length	CUM	Jt.	Length	CUM	Jt.	Length	CUM
1	42.55	42.55	51	41.76	1926.50	101	1.79	2517.83	151	32.40	2550.23	201	28.96	4143.22	251	32.72	4801.12
2	40.46	83.01	52	41.52	1968.02	102		2517.83	152	32.29	2582.52	202	31.41	4174.63	252	41.78	4842.90
3	42.02	125.03	53	41.75	2009.77	103	B	2517.83	153	27.91	2610.43	203	30.39	4205.02	253	21.00	4863.90
4	35.46	160.49	54	41.72	2051.49	104	a	2517.83	154	30.44	2640.87	204	31.37	4236.39	254		4863.90
5	34.50	194.99	55	41.76	2093.25	105	k	2517.83	155	30.73	2671.60	205	29.44	4265.83	255	l	4863.90
6	39.58	234.57	56	41.72	2134.97	106	e	2517.83	156	31.25	2702.85	206	28.08	4293.91	256	e	4863.90
7	43.50	278.07	57	33.45	2168.42	107	r	2517.83	157	33.18	2736.03	207	32.38	4326.29	257	f	4863.90
8	32.94	311.01	58	28.68	2197.10	108		2517.83	158	31.37	2767.40	208	32.42	4358.71	258	t	4863.90
9	35.59	346.60	59	30.30	2227.40	109	D	2517.83	159	29.84	2797.24	209	39.88	4398.59	259		4863.90
10	30.55	377.15	60	31.63	2259.03	110	V	2517.83	160	28.36	2825.60	210	33.12	4431.71	260		4863.90
11	21.40	398.55	61	33.77	2292.80	111		2517.83	161	32.45	2858.05	211	32.18	4463.89	261	o	4863.90
12	34.96	433.51	62	31.26	2324.06	112	T	2517.83	162	30.56	2888.61	212	30.70	4494.59	262	u	4863.90
13	36.24	469.75	63	31.03	2355.09	113	o	2517.83	163	31.35	2919.96	213	30.55	4525.14	263	t	4863.90
14	35.51	505.26	64	42.88	2397.97	114	o	2517.83	164	31.73	2951.69	214	32.28	4557.42	264		4863.90
15	35.69	540.95	65	29.33	2427.30	115	l	2517.83	165	30.30	2981.99	215	32.22	4589.64	265		4863.90
16	21.45	562.40	66	27.75	2455.05	116		2517.83	166	32.06	3014.05	216	32.33	4621.97	266		4863.90
17	36.15	598.55	67	28.62	2483.67	117		2517.83	167	30.28	3044.33	217	40.85	4662.82	267		4863.90
18	41.58	640.13	68	29.68	2513.35	118		2517.83	168	30.84	3075.17	218	33.03	4695.85	268		4863.90
19	41.78	681.91	69		2513.35	119		2517.83	169	32.65	3107.82	219	39.85	4735.70	269		4863.90
20	21.91	703.82	70		2513.35	120		2517.83	170	30.70	3138.52	220	32.70	4768.40	270		4863.90
21	33.94	737.76	71	2.69	2516.04	121		2517.83	171	29.34	3167.86	221		4768.40	271		4863.90
22	25.13	762.89	72		2516.04	122		2517.83	172	31.20	3199.06	222		4768.40	272		4863.90
23	41.77	804.66	73	s	2516.04	123		2517.83	173	32.76	3231.82	223		4768.40	273		4863.90
24	36.15	840.81	74	h	2516.04	124		2517.83	174	32.69	3264.51	224		4768.40	274		4863.90
25	41.80	882.61	75	o	2516.04	125		2517.83	175	32.55	3297.06	225		4768.40	275		4863.90
26	41.62	924.23	76	e	2516.04	126		2517.83	176	29.66	3326.72	226		4768.40	276		4863.90
27	41.78	966.01	77	&	2516.04	127		2517.83	177	28.36	3355.08	227		4768.40	277		4863.90
28	41.84	1007.85	78	f	2516.04	128		2517.83	178	32.14	3387.22	228		4768.40	278		4863.90
29	41.74	1049.59	79	l	2516.04	129		2517.83	179	31.67	3418.89	229		4768.40	279		4863.90
30	40.92	1090.51	80	o	2516.04	130		2517.83	180	32.30	3451.19	230		4768.40	280		4863.90
31	33.86	1124.37	81	a	2516.04	131		2517.83	181	30.59	3481.78	231		4768.40	281		4863.90
32	41.89	1166.26	82	t	2516.04	132		2517.83	182	31.92	3513.70	232		4768.40	282		4863.90
33	41.72	1207.98	83	c	2516.04	133		2517.83	183	33.01	3546.71	233		4768.40	283		4863.90
34	41.48	1249.46	84	o	2516.04	134		2517.83	184	29.61	3576.32	234		4768.40	284		4863.90
35	41.74	1291.20	85	l	2516.04	135		2517.83	185	29.13	3605.45	235		4768.40	285		4863.90
36	41.84	1333.04	86	l	2516.04	136		2517.83	186	28.61	3634.06	236		4768.40	286		4863.90
37	41.82	1374.86	87	a	2516.04	137		2517.83	187	34.11	3668.17	237		4768.40	287		4863.90
38	41.08	1415.94	88	r	2516.04	138		2517.83	188	41.18	3709.35	238		4768.40	288		4863.90
39	41.84	1457.78	89		2516.04	139		2517.83	189	41.16	3750.51	239		4768.40	289		4863.90
40	41.84	1499.62	90		2516.04	140		2517.83	190	32.97	3783.48	240		4768.40	290		4863.90
41	41.88	1541.50	91		2516.04	141		2517.83	191	28.73	3812.21	241		4768.40	291		4863.90
42	42.58	1584.08	92		2516.04	142		2517.83	192	28.54	3840.75	242		4768.40	292		4863.90
43	41.45	1625.53	93		2516.04	143		2517.83	193	29.39	3870.14	243		4768.40	293		4863.90
44	30.73	1656.26	94		2516.04	144		2517.83	194	28.25	3898.39	244		4768.40	294		4863.90
45	36.15	1692.41	95		2516.04	145		2517.83	195	29.56	3927.95	245		4768.40	295		4863.90
46	32.62	1725.03	96		2516.04	146		2517.83	196	40.28	3968.23	246		4768.40	296		4863.90
47	41.81	1766.84	97		2516.04	147		2517.83	197	41.18	4009.41	247		4768.40	297		4863.90
48	34.45	1801.29	98		2516.04	148		2517.83	198	41.16	4050.57	248		4768.40	298		4863.90
49	41.75	1843.04	99		2516.04	149		2517.83	199	30.64	4081.21	249		4768.40	299		4863.90
50	41.70	1884.74	100		2516.04	150		2517.83	200	33.05	4114.26	250		4768.40	300		4863.90
col1884.74			631.30				1.79		1596.43			654.14			95.50		
cum1884.74			2516.04				2517.83		4114.26			4768.40			4863.90		

float & shoe 2.69
68 jts 2513.35
dv tool 1.79
70 jts 2250.57'

Joints #1 thru #56 are LT&C, the rest are ST&C
DV tool at 2244.17' KB
Anticipated PBTD 4717' KB

CIRC CEMENT

WELL PROFILE

OPERATOR COLEMAN OIL & GAS CO.
 WELL # SUNGO WDW #1
 FIELD CROUCH MESA
 COUNTY SAN JUAN
 STATE NEW MEXICO
 DATE 7/27/94

☐ NEW COMPLETION ☒ WORKOVER

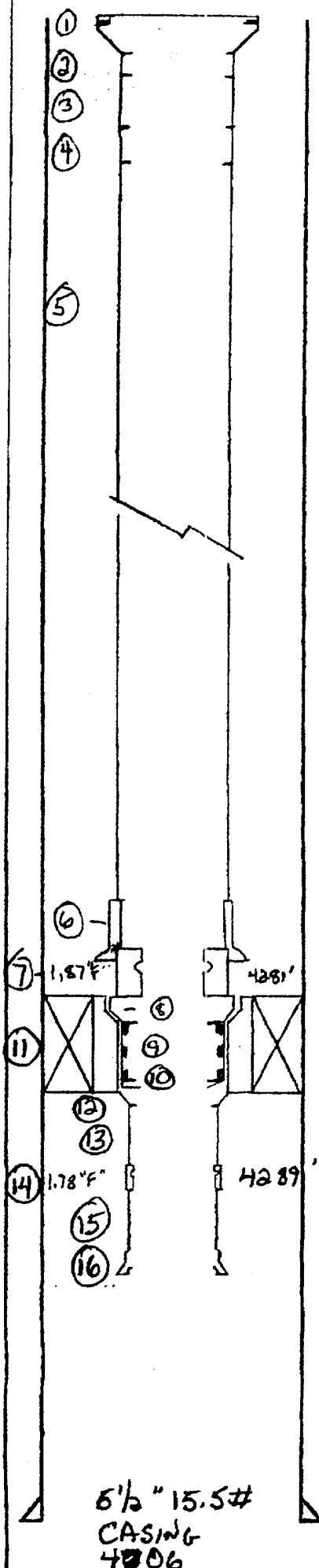
	Casing	Liner	Tubing
SIZE	5 1/2		2 7/8
WEIGHT	15.5		6.5
GRADE			
THREAD			EU
DEPTH	4786		4265

ITEM NO.	EQUIPMENT AND SERVICES	LENGTH KB	DEPTH
1	DONUT TYPE TUBING HANGLER	.76	
2	2 7/8 EU PIN X PIN NIPPLE	.46	
3	2 7/8 PLASTIC LINED PUP JOINT	10.15	
4	2 7/8 PLASTIC LINED PUP JOINT	6.22	
5	135 JTS 2 7/8 PLASTIC LINED TUBING	4248.78	
6	2 7/8 x 5 1/2" ARROW 'T-2' PLASTIC COATED ON-OFF TOOL (MERS W/ S. NIPPLE)	1.66	
7	2 7/8 x 1.87 STAINLESS STEEL NIPPLE W/ 1.87" 'F' PROFILE		4281
8	2.688 x 5 1/2" ARROW J-LATCH	.90	
9	3EA 2.688 BONDED SEAL UNITS 357		
10	2.688 1/2 MULESHOE BOTTOM	1.42	
11	5 1/2 x 2.688 ARROW 'XL-W' RETRIEVABLE SEAL BORE PACKER	4.68	4282
12	5 1/2 x 2.688 TUBING ADAPTER BOTTOM	1.10	
13	2 3/8 PLASTIC COATED PUP JOINT	5.69	
14	2 3/8 x 1.78 STAINLESS STEEL NIPPLE W/ 1.78" 'F' PROFILE	.87	4289
15	2 3/8 PLASTIC COATED PUP JOINT	6.10	
16	2 3/8 x 5 1/2 W/L ENTRY GUIDE COLLAR	.55	4296

COMMENTS:

SEAL ASSY & TUBING WERE LANDED W/ 4000# TENSION
 T-2 ON-OFF TOOL IS LEFT HAND RELEASE
 J-LATCH SEAL ASSY IS RIGHT HAND RELEASE

PREPARED BY B. J. WARBURTON OFFICE FARMINGTON, NM PHONE (505) 326-5141



**MOUNTAIN
 STATES**
 OIL TOOL

PIPE RECORD

FIELD Coleman Oil & Gas LEASE Sunco Disposal

WELL NO. 1

7/28 1994

PIPE TALLY - Show every piece of equipment going into the hole in the order run.

COLUMN 1		COLUMN 2		COLUMN 3		COLUMN 4		COLUMN 5		COLUMN 6		COLUMN 7		COLUMN 8	
GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.
JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET
	55	610		87		569		110		468		90		166	
2 7/8" x 5 1/2" W/L ENTRY GUIDE		2 7/8" PLASTIC LINED PUP JOINT		2 3/8" x 1.78" SS "F" NIPPLE		2 3/8" PLASTIC LINED PUP JOINT		5 1/2" x 2.688" TUBING ADAPTOR BOTTOM		5 1/2" x 2.688" Arrow XL-W Ret. Seal Bore Packer		2.688" x 5 1/2" Arrow J-Latch		2 7/8" x 5 1/2" Arrow T-2 ON/OFF TOOL W/ 1.87" FAIRLE	
	55	610		87		569		110		468		90		166	

Jts. on rack before running

Jts. left on rack after running

No. Jts. run

COLUMN NO.	ITEM	JTS.	O.D.	WEIGHT	GRADE	THREAD	MAKE	FEET
1	WIRELINE ENTRY GUIDE	—	2 3/8	—	—	—	MTN STATES	55
2	PLASTIC LINED PUP JOINT	1	2 3/8	—	—	—	MTN STATES	610
3	1.78" STAINLESS "F" NIPPLE	—	2 3/8	—	—	—	MTN STATES	87
4	PLASTIC LINED PUP JOINT	1	2 3/8	—	—	—	MTN STATES	569
5	TUBING ADAPTOR BOTTOM	—	2 1/16	—	—	—	MTN STATES	110
6	Arrow XL-W RETRIEVABLE PACKER	—	5 1/2	—	—	—	Arrow	468
7	Arrow J-LATCH	—	2 1/16	—	—	—	Arrow	90
8	Arrow T-2 ON/OFF TOOL	—	2 7/8	—	—	—	Arrow	166

REMARKS

*ASTERISK DESIGNATES CENTRALIZER ON JOINT

TOTAL

2155

JOINTS NOT RUN

TOTAL

TOP ROTARY DRIVE BUSHING TO TOP OF CASING HEAD FLANGE (+)

SET AT

CO. REP.

TOP PACKER @ 4280.93' KB - BOTTOM @ 4299.92' KB

PUP JOINTS USED TO SPACE WITHIN THE A.B.

Modified w/ Teflon Rings

PIPE RECORD

Colerain Oil & Gas LEASE Sunco Disposal

WELL NO. 1

7/28 1994

PIPE TALLY - Show every piece of equipment going into the hole in the order run.

COLUMN 1		COLUMN 2		COLUMN 3		COLUMN 4		COLUMN 5		COLUMN 6		COLUMN 7		COLUMN 8	
GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.	GRADE	WT.
JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET	JOINT NO.	FEET
	29 55		64 30		61 30		62 25	TAKEN OUT			6 22		46		76
	58 05		64 05		63 20		63 65		31 -		10 15				
	65 10		63 30		63 90		61 65		31 12						
	62 45		62 95		62 85		63 85		31 02						
	63 40		61 95		62 90		65 10		31 48						
	62 78		60 80		63 50		65 10		32 58						
	65 28		64 55		60 30		61 55		31 33						
	63 20		62 60		64 60		62 65		188 53						
	62 63		64 -		62 35		505 80								
	62 75		63 60		63 55										
	62 55		61 70		63 63		New Pipe								
	59 62		57 95		64 35		29 97		in						
	61 90		61 25		62 50		32 52		in						
	63 60		65 15		61 15		32 53		in						
	62 05		63 45		63 75		29 98		out						
	65 10		61 15		62 65		31 54		out						
	63 80		63 70		61 90		62 45		in						
	65 25		65 05		63 90		31 50		in						
	65 -		63 30		61 75		188 97		in						
	62 75		61 10		65 -										
	1226 81		1255 70		1259 03						16 37		46		76

Jts. on rack before running				Jts. left on rack after running				No. Jts. run					
COLUMN NO.	ITEM					JTS.	O.D.	WEIGHT	GRADE	THREAD	MAKE	FEET	
1	Tubing					39	27/8	6.5	J-55	8 5/8	SALTA	1226	81
2	Tubing					40	"	"	"	"	SALTA	1255	70
3	Tubing					40	"	"	"	"	SALTA	1259	03
4	Tubing					16	"	"	"	"	SALTA	505	80
5	PUP JOINT					2	"	"	"	"	SALTA	16	37
6	EWE Pin x Pin N.PPLE					1	"				MT. STATES		46
7	Donut Hanger					1					A-1		76
8													

REMARKS	*ASTERISK DESIGNATES CENTRALIZER ON JOINT									TOTAL PAGE 1 & PAGE 2		4286	48	
										JOINTS NOT RUN TRADE OUT			44	
										BAD JOINTS w/new			..	
										TOTAL		4286	92	
										TOP ROTARY DRIVE BUSHING TO TOP OF CASING HEAD FLANGE (+)		13	00	
									BOTTOM PACKER Assm.		4299	92		
									CO. REP.					

"EXHIBIT C"



WALSH

ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

204 N. Auburn
Farmington, New Mexico 87401
(505) 327-4332

COLEMAN OIL & GAS
SUNCO DISPOSAL WELL #1

8 5/8", 24.0#, K-55
SET AT 209'

MOUNTAIN STATES ARROW SET 1 PACKER AT 4266'

136 JTS. 2 7/8", 6.5#, J55, PLASTIC COATED TUB SET AT 4295'. (ONE JOINT BELOW
PACKER)

PERFS 4350 - 4460
2 SPF 220 TOTAL HOLES.

TST - 4706'

5 1/2", 15.5#, K-55
SET AT 4760

Paul Thompson 10/14/03

EXHIBIT E

RECORD#	API NUMBER	UL	SEC	TWN	RGE	WELL NAME	WELL #	OPERATOR	POOL	TYPE	DATE	DEP
1	30-045-08851	D	01	29N	12W	Allen A	1	Amoco	Basin Dak	CO	4-25-62	6786
7	30-045-26014	L	01	29N	12W	Allen A	1E	Amoco	Basin Dak	CO	4-12-85	6625
12	30-045-08839	D	02	29N	12W	Young	1	Meridian	Basin Dak	CO	8-13-61	6740
15	30-045-08704	J	02	29N	12W	McGrath B	1	Meridian	Basin Dak	CO	12-3-61	6720
21	30-045-08712	I	03	29N	12W	McGrath A	1	Meridian	Basin Dak	CO	4-29-64	6689
79	35-045-13092	D	11	29N	12W	Cornell C	1	Amoco	Basin Dak	CO	12-6-61	6604
21211	30-045-26141	G	34	30N	12W	Duff Gas Com	1E	Amoco	Basin Dak	CO	1-7-85	6608
21212	30-045-08945	P	34	30N	12W	McGrath C	1	Meridian	Basin Dak	CO	3-6-63	6637
21213	30-045-11770	E	35	30N	12W	Hudson	3	Meridian	Basin Dak	CO	8-15-66	6750
21214	30-045-08946	P	35	30N	12W	Carnahan	1	Merrion	Basin Dak	ZA	12-19-60	6760
21215	30-045-08946	P	35	30N	12W	Carahan Com	1	Merrion	FL Mesa V	ZA	1-61	6760
21216	30-045-25844	P	35	30N	12W	Carahan Com	2	Merrion	Basin Dak	CO	7-23-84	6780

*The completion records are also attached.

EXHIBIT F

Calculated Area of Review by Hydrologic Equation

$$\sqrt{\frac{QT}{L \cdot \theta_d \cdot (1 - SW) \times \pi}} = r$$

Where:

Q = volume of fluid in ft³/yr

T = life of project

h = reservoir height

θ_d = reservoir porosity

SW = water saturation

π = pi

r = radius

Q = 5.615 ft³/bb1 * 2000 bb1/day * 365 days/year

Q = 4,098,950 ft³/year

T = 20 years

L = 100 ft

θ_d = .14

SW = .30

π = 3.14

$$r = \sqrt{\frac{(4,098,950)(20)}{(100)(.14)(1-.30)\pi}} = \sqrt{\frac{81,979,000}{30,772}} = 1632'$$

**Calculated Area of Review is 1632'



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



"Exhibit G"

BRUCE KING
GOVERNOR

ANITA LOCKY/COD
CABINET SECRETARY

December 22, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5600

Walsh Engineering & Production Corporation
204 North Auburn
Farmington, NM 87401

Attention: Paul C. Thompson

RE: *Injection Pressure Increase, Coleman Sunco Disposal Well No. 1, Section 2, Township 29 North, Range 12 West, San Juan County, New Mexico*

Dear Mr Thompson:

Reference is made to your request dated December 8, 1993 to increase the surface injection pressure on the above referenced well. This request is based on a step rate tests conducted on this well on December 7, 1993. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	Maximum Injection Surface Pressure
Coleman Sunco Disposal Well No. 1 1595' FNL - 1005' FWL Unit E, Section 2, Township 29 North, Range 12 West	2850 psig
This well located in San Juan County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

WJL/BES/amg

cc: Oil Conservation Division - Aztec
File: SWD-457
PSI-X, 4th Quarter



ANALYSIS NO. 51-76-

API FORM 45-1

FIELD RECEIPT NO. _____

API WATER ANALYSIS REPORT FORM

Company <u>Coleman Oil & Gas</u>		Sample No. <u>2</u>	Date Sampled <u>02-25-92</u>
Field <u>Sec 2 T29N R2W</u>	Legal Description <u>Sec 2 T29N R2W</u>	County or Parish <u>San Juan</u>	State <u>NM</u>
Lease or Unit <u>Surco Disposal</u>	Well <u>#1</u>	Depth <u>4</u>	Formation <u>M.V. (Pt. Lookout)</u>
Type of Water (Produced, Supply, etc.) <u>Produced</u>	Sampling Point <u>Pit</u>	Water. B/D <u>Water. B/D</u>	
		Sampled By <u></u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	mg/l
Sodium, Na (calc)	<u>7451</u>	<u>323.94</u>
Calcium, Ca	<u>168</u>	<u>8.40</u>
Magnesium, Mg	<u>39</u>	<u>3.20</u>
Barium, Ba	<u></u>	<u></u>
Potassium, K	<u>720</u>	<u>18.41</u>

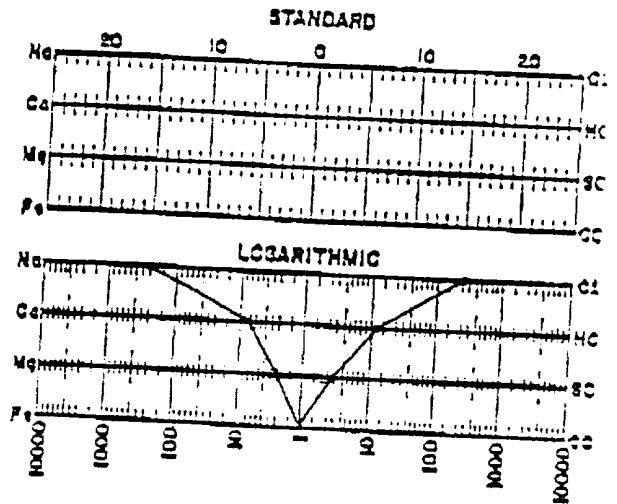
OTHER PROPERTIES

pH	<u>7.01</u>
Specific Gravity, 60/60 F.	<u>1.013</u>
Resistivity (ohm-meters)	<u>78</u>
Total Hardness	<u>580</u>

ANIONS

Chloride, Cl	<u>11879</u>	<u>335.10</u>
Sulfate, SO ₄	<u>185</u>	<u>3.85</u>
Carbonate, CO ₃	<u>0</u>	<u>0</u>
Bicarbonate, HCO ₃	<u>915</u>	<u>15.00</u>
Hydroxide, OH	<u>0</u>	<u>0</u>

WATER PATTERNS — mg/l



Total Dissolved Solids (calc.) 21357

Iron, Fe (total) 25 ppm
Sulfide, as H₂S neg

REMARKS & RECOMMENDATIONS:

ANALYST: Llee

PLEASE REFER ANY QUESTIONS TO:

THE WESTERN CO. OF NORTH AMERICA
ARMINGTON, N.M.
RIAN AULT-District Engineer
(505) 327-6222

LABORATORY WATER

To Southland Royalty
Attn: Doug Harris
Box 570
Farmington, N.M. 87499

Date 9/12/84

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management. It may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

4255-4377

Submitted by Doug Harris Date Rec. _____
 Well No. McGrath #4 Depth 4255' - 4377' Formation Point Lookout
 County _____ Field _____ Source DST #2 4255'-4377'

	Top Recovery	Bottom Recovery	Sample Chamber
Resistivity	3.16 @ 65°F	.97 @ 71°F	.68 @ 68°F
Specific Gravity			
pH	8.47	7.53	7.86
Calcium (Ca)	55	210	210 *M.P.
Magnesium (Mg)	NT	NT	35
Chlorides (Cl)	2900	6950	9900
Sulfates (SO ₄)			
Bicarbonates (HCO ₃)	320	705	670
Soluble Iron (Fe)	NT	NT	NT

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: _____
 cc: _____

HALLIBURTON COMPANY

By B. E. Purn

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.

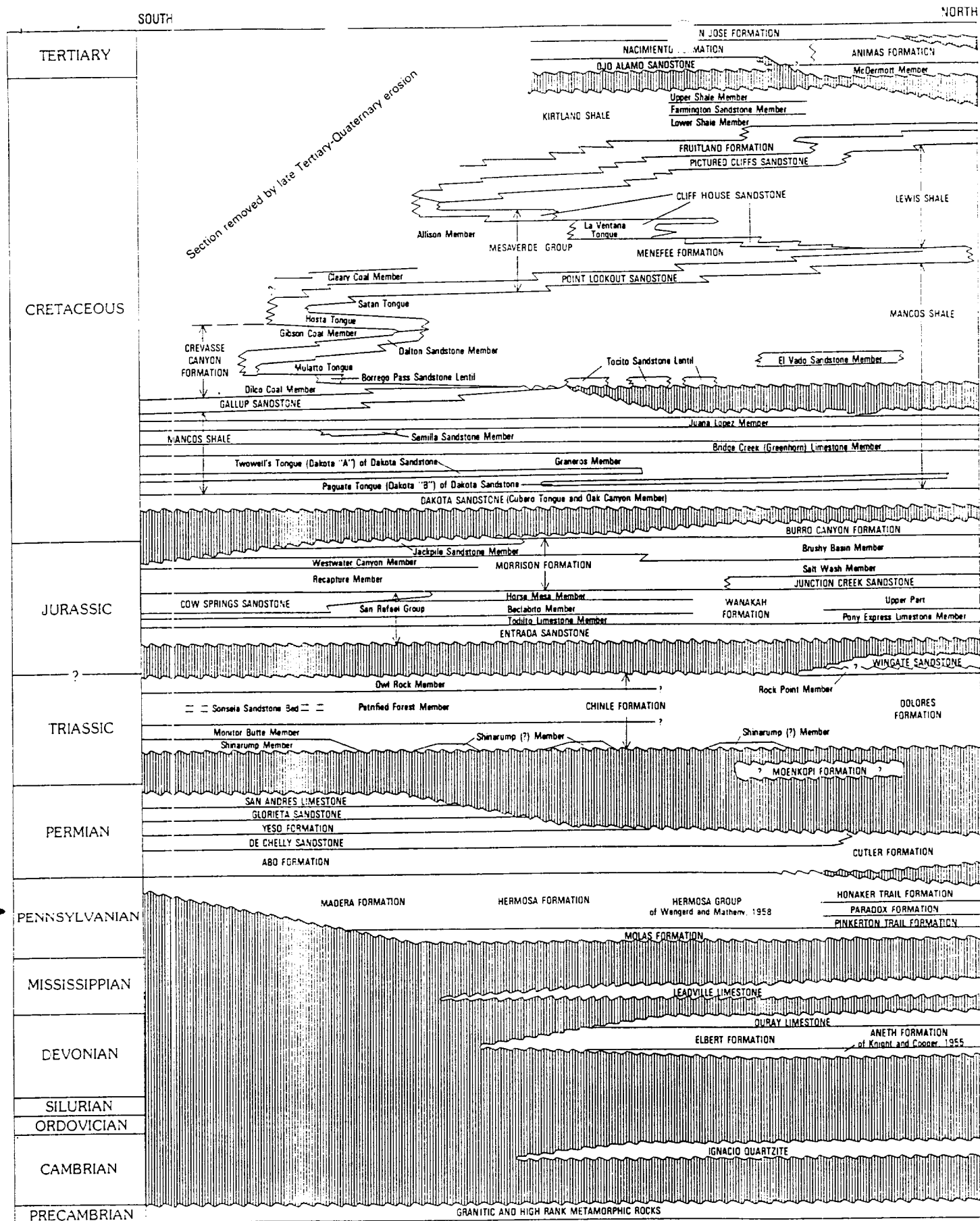


Figure 3. Time- and rock-stratigraphic framework and nomenclature.

(Modified from Molenaar, 1977a,b, and 1989)

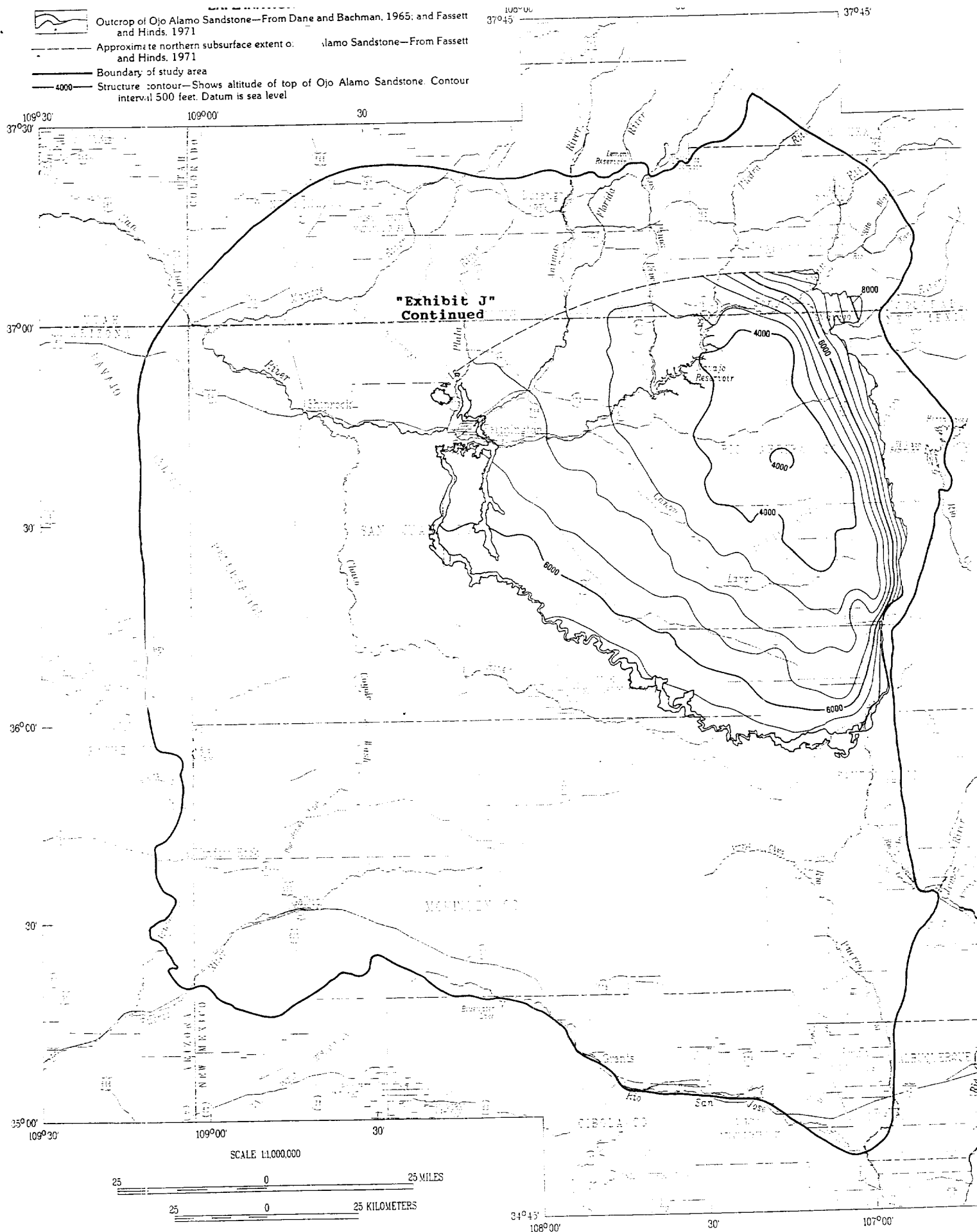


Figure 6. Approximate altitude and configuration of the top of the Ojo Alamo Sandstone.

[illegible]

Figure 5. Approximate depth to the top of the Ojo Alamo Sandstone.

EXPLANATION

Outcrop of Rio Alamo Sandstone—From Dane and Bachman, 1965; and Fassett

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

"Exhibit K"

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

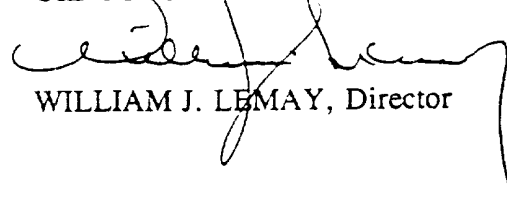
(GW-235) - Coleman Oil and Gas, Inc., Mr. Chuck Badsgard, P.O. Box 443, Farmington, New Mexico, 87499 has submitted a discharge plan application to reclassify their permitted Class II disposal well located in Section 2, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico to a Class I non-hazardous disposal well. Currently 2,000 barrels per day of oil field liquid waste classified as exempt from Resource Conservation and Recovery Act Subtitle III regulations are disposed of by injection into the Point Lookout Formation at a depth from 4,380 to 4,480 feet. The discharge plan application proposes to reclassify the category of the well to allow for the injection of an additional 800 barrels per day of oil field liquid waste that has been demonstrated to be "non-hazardous" by testing. A combined total of approximately 2,800 barrels per day will be disposed of by injection into the Point Lookout Formation. The total dissolved solids concentration of the injection water is approximately 24,000 mg/l. The total dissolved solids concentration of the formation fluids is approximately 14,000 mg/l. The discharge plan addresses construction, operation and monitoring of the well and associated surface facilities and provides a contingency plan in the event of accidental spills, leaks and other accidental discharges to the ground surface. Ground water most likely to be affected by any accidental discharge is at a depth from 78 to 90 feet and has a total dissolved solids concentration of approximately 450 mg/l.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the discharge plan application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 5th day of February 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY, Director

S E A L

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

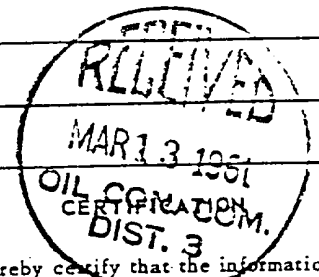
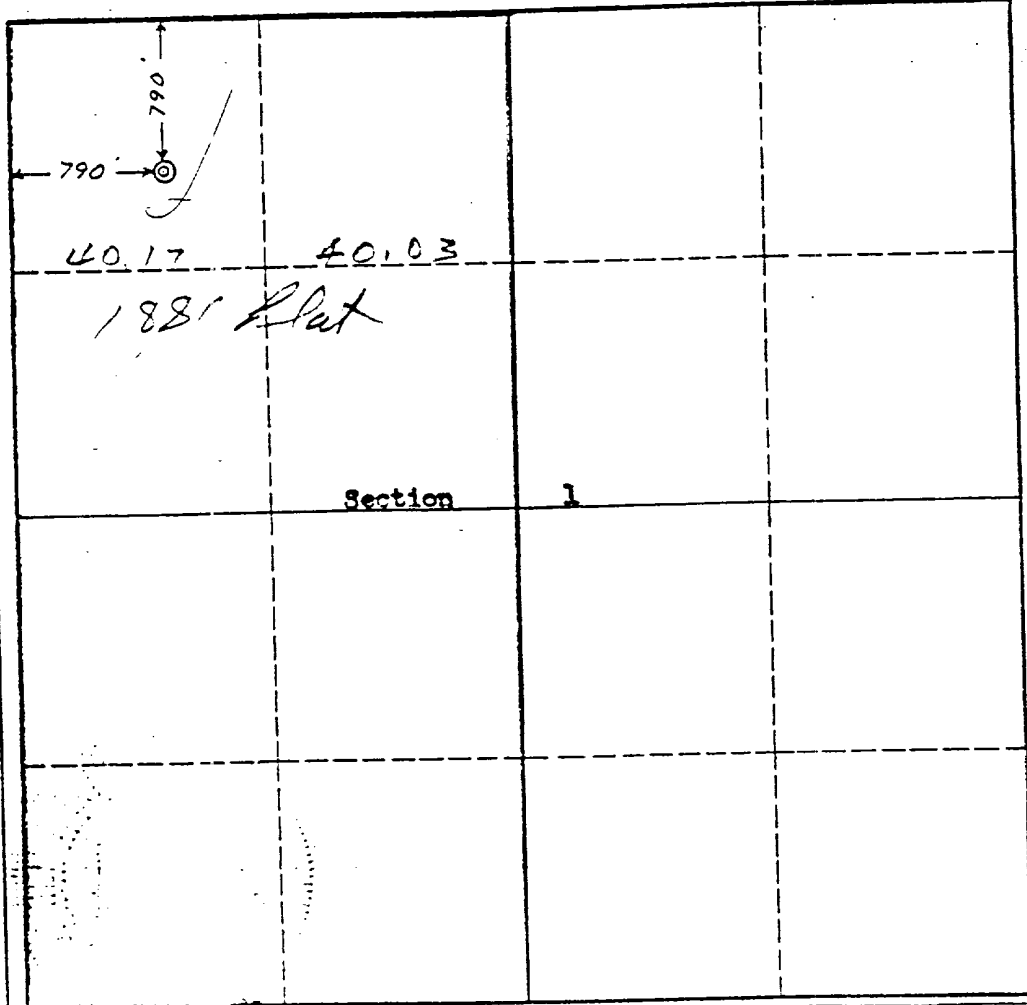
SECTION A

Operator Tennessee Gas Transmission Company		Lease Allen Dakota Gas Unit "A"		Well No. 1
Unit Letter	Section 1	Township 29 North	Range 12 West	County San Juan County
Actual Footage Location of Well: 790 feet from the North line and 790 feet from the West line				
Ground Level Elev. 5905.5	Producing Formation Dakota	Pool Basin	Dedicated Acreage: 360 320.20 Acres	

- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
- If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
- If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



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

Name **J. J. Lacey**
 Position **District Petroleum Engineer**
 Company **Tennessee Gas Transmission**
 Date **March 10, 1961**

I hereby certify that the well location shown on the plat in SECTION B 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.

Date Surveyed **9 March 1961**
 Registered Professional Engineer and/or Land Surveyor
Robert H. Ernst
 Certificate No. **PE & LS 2463**

San Juan Engineering Co.

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

Tenneco Corporation
(Company or Operator)

Allen Dakota Gas Unit "A"
(Lease)

(Company or Operator)

Well No. 1, in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 1, T. 29N, R. 12W, NMPM.

Basin Dakota Pool, San Juan County.

Well is 790 feet from N line and 790 feet from N line

of Section 1. If State Land the Oil and Gas Lease No. is NM 520 NM 524

Drilling Commenced March 12, 1961 Drilling was Completed May 19, 1961

Name of Drilling Contractor Great Western Drilling Company

Address Farmington, New Mexico

Elevation above sea level at Top of Tubing Head 5905 GL The information given is to be kept confidential until

1961

No. 1, from.....	6714	to.....	6718	No. 4, from.....	6605	to.....	6620
No. 2, from.....	6700	to.....	6706	No. 5, from.....	6518	to.....	6524
No. 3, from.....	6689	to.....	6693	No. 6, from.....	6527	to.....	6533

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD							
SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8" OD	24#	New	264'	Guide	--	--	Surface Production
4 1/2"	9.5#	New	4628'	Float	--	6518-6718	
4 1/2"	11.6#	New	2157'				

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4"	8 5/8"	264'	200 Sx	Two Plug		
7 7/8"	4 1/2"	6785'	300 Sx	Two Plug		

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Sand Frac Perfs 6714-18; 6700-06; 6689; 93, with 10,000# 20-40 sand and 20,000 gal water.

Sand Frac Perfs 6605-20 with 250 gal BDA, 43,000# 20-40 sand and 68,000 gal water.

Sand Frac Perfs 6518-24 and 6527-33 with 250 gal BDA 40,000# 20-40 sand and 52,000 gal water.

Result of Production Stimulation.....
TEST-- Flow 2882 MCFPD, ACF 3162, 10 BBL cond per MCF on 3/4" choke TP 230, CP 710,
SITP 2096, BHP 2566.
Dench Cleaned Out

Depth Cleaned - 100%

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78NEW MEXICO
MINERALS DEPARTMENT

All distances must be from the outer boundaries of the Section.

Operator TENNECO OIL COMPANY			Lease ALLEN 1111		Well No. 1E
Init Letter L	Section 1	Township 29N	Range 12W	County San Juan	
Actual Footage Location of Well: 1450 feet from the South line and 790 feet from the West line					
Ground Level Elev: 5831	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: 0.320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitized

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

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

FEE
Tenneco 100%



RECEIVED
JAN 31 1985
OIL CON. DIV.
DIST. 3

Sec.

RECEIVED

JAN 14 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

SF-065557A
Tenneco - 79%
Amax - 21%

1

790'
1450'

Scale: 1"=1000'

CERTIFICATION

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

Scott McKinney

Name
Scott McKinney

Position
Sr. Regulatory Analyst

Company
Tenneco Oil Co

Date
January 10, 1985

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.

Date Surveyed
October 27, 1984

Registered Professional Engineer
and Land Surveyor

Fred E. Kerr Jr.
Fred E. Kerr Jr.

Certificate No.
3950

983)
(9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

SF-065557A

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" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface

1450' FSL, 790' FWL

14. PERMIT NO.

30-045-26214

15. ELEVATIONS (Show whether OP, ST, GR, etc.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Allen A

9. WELL NO.

1E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 1, T29N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Progress report

(Note: Report results of multiple completion on Well Completion or Re-completion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3/22/85 MIRU w/Four Corners rig #7. Spud 12 1/4" surface 10:15 am 3/22/85. Drlg. TOOH RU & run 7 jts, 8 5/8 32# K-55 STC csg. Total 303 w/tools, set @318' KB. RU Western & cmt w/15 bbl H2), 274 sx (325CF), "B" w/1/4 #/sx cello-flake + 2% CaCl, plug dn 3:30 pm 3/22/85. Circ 15 bbl excess cmt. WOC NUBOP test blind rams & manifold to 1000 psi ok. TIH tag cmt @287, drill plug & cmt to 5' end of shoe, test csg & pipe rams to 1000 psi ok. Drill ahead.

3/31/85 RU run 163 jts, 5 1/2" 17# N-80 LT&C, total w/tools 6642.50. RU & circ cmt 1st stage w/20 bbls mud flush, 120 sx 221 CF 65-35 POZ 6% gel, + 1/4 #/sx cello-flake, tailed w/100 sx 118 CF "B" w/ 1/4 #/sx cello-flake. Plug on 4:15 am 4/1/85. Drop bomb Open tool & circ.

4/01/85 Cmt 2nd stage w/20 bbl mud flush 500 sx 65/35 6% gel 1/4# cello seal tailed w/100 sx "B" 1/4# cello seal. Drop bomb open tool & circ. Cmt 3rd stage w/20 bbl mud flush 200 sx 65/35 6% gel 1/4# cello seal. Plug dn 1:30 pm 4/1/85. Circ 2 bbl excess cmt. Rig release @3:30 pm 4/1/85

RECEIVED

APR 15 1985

OIL COMPANY

18. I hereby certify that the foregoing is true and correct

SIGNED

Steve McKinnis

TITLE

Sr. Regulatory Analyst

DATE

April 4, 1985

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 12 1985

*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA

BY *8043*

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GAS	
OPERATOR	
PRORATION OFFICE	

Operator Tenneco Oil Company	
Address P. O. Box 3249, Englewood, CO 80155	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" type="checkbox"/>	Change In Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change In Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

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

DESCRIPTION OF WELL AND LEASE

Lessee Name Allen A	Well No. 1E	Pool Name, Including Formation Basin Dakota	Kind of Lease USA	Lease No. 065557A
Location				
Unit Letter L	1450	Feet From The South	Line and 790	Feet From The West
Line of Section 1	Township 29N	Range 12W	San Juan County	

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Gary Energy Corp.	4 Inverness Ct. East, Englewood, CO 80112
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 4990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit L Sec. 1 Twp. 29N Rge. 12W	NO ASAP

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

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 3-22-85	Date Compl. Ready to Prod. 4-21-85	Total Depth 6625' KB		P.B.T.D. 6619' KB				
Elevations (DF, RKB, RT, GR, etc.) 5831' GL	Name of Producing Formation Dakota	Top Oil/Gas Pay 6425' KB		Tubing Depth 6559' KB				
Perforations 2 JSPF 43', 86 holes 6425-36', 6502-28', 6596-6602' KB				Depth Casing Shoe 6622' KB				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 5/8" csg	318' KB	275 sx 325 CF
7 7/8"	5 1/2" csg	6622' KB	220 sx 1745 CF 1627
	2 3/8	6559	

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(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)

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

OIL CON. DIV.
DIST. 3

GAS WELL

Actual Prod. Test-MCF/D 1936	Length of Test 3 hrs	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pitot, back pr.) back pressure	Tubing Pressure (Shut-In) 1325	Casing Pressure (Shut-In) 1325	Choke Size 3/4"

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.

OIL CONSERVATION COMMISSION
6-12-85
APPROVED JUN 12 1985
BY Original Signed by FRANK T. CHAVEZ

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

SECTION A.

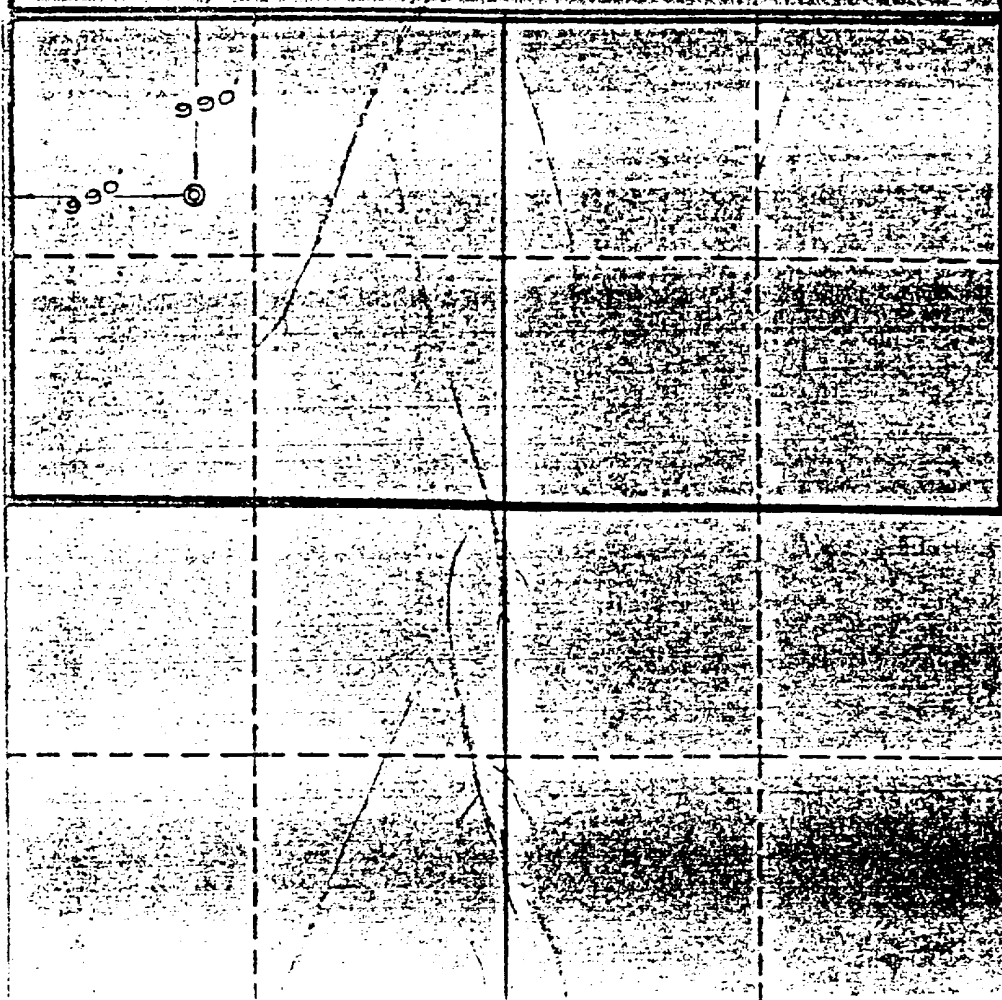
Operator Astec Oil and Gas Company Lease Young Date July 27, 1961
Well No. 1-D Unit Letter D Section 2 Township 29N Range 12W NMPM
Located 990 Feet From North Line, 990 Feet From West Line
County San Juan G. L. Elevation 5847 Dedicated Acreage 330 319.94 Acres
Name of Producing Formation Dakota Pool Basin

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes ☒ No ☐
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "Yes," Type of Consolidation _____
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION

SECTION B.



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Astec Oil and Gas Company

OPERATOR

ORIGINAL SIGNED BY JOE C. SALMON

REPRESENTATIVE

Joe C. Salmon, Dist. Supt.
Drawer 570, Farmington, N.M.

AGENTS

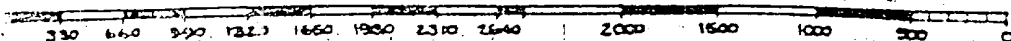
This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed July 27, 1961

Four State Engineering Co.
Albuquerque, New Mexico

C. P. Poteet
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3084



COPIES RECEIVED		5
DISTRIBUTION		
OFFICE	1	✓
OFFICE	2	
TRANSPORTER		
PROMOTION OFFICE		
OPERATOR	1	

Obvised 7/1/61
(Form C-100)

0							

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

Astec Oil & Gas Company

Young

(Company or Operator)

(Lease)

Well No. 1-D, in NW 1/4 of Sec. 2, T. 29N, R. 12W, NMPM.

Basin Dakota

Pool,

San Juan

County.

Well is 990 feet from North line and 990 feet from West line

of Section 2. If State Land the Oil and Gas Lease No. is

Drilling Commenced 8/1/61, 19 Drilling was Completed 8/13/61, 19

Name of Drilling Contractor Summit Drilling Company

Address Box # 190, Farmington, New Mexico

Elevation above sea level at Top of Tubing Head G.L. = 5847 The information given is to be kept confidential until non-confidential, 19

OIL SANDS OR ZONES

No. 1, from 6446 to 6456 No. 4, from to
No. 2, from 6521 to 6546 No. 5, from to
No. 3, from 6609 to 6644 No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.
No. 2, from to feet.
No. 3, from to feet.
No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8	24	DSW	294				
4 1/2	11.6	DSW	1162				
4 1/2	9.5	DSW	5566				
2 3/8	4.7	DSW	6426				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4	8 5/8	307	275	displacement		
7 7/8	4 1/2	6739	700	two plug		
	2 3/8	6436				

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, Interval treated or shot.)

Sand-water flood with 60,000# 20/40 sand, 30,000# 10/20 sand, 2036 Bbls. water flushed with 160 Bbls. water.

Result of Production Stimulation Maximum = 3400, Avg. 2800, I.R. = 33.3 bpm, dropped 108 rubber ball sealers, 5 min. shut-in pr. = 1200

Depth Cleaned Out 6705

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

FORM C-128
REVISED 5/1/57

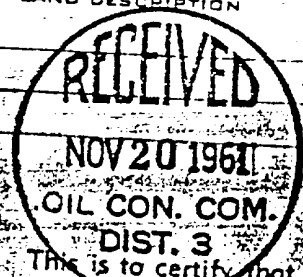
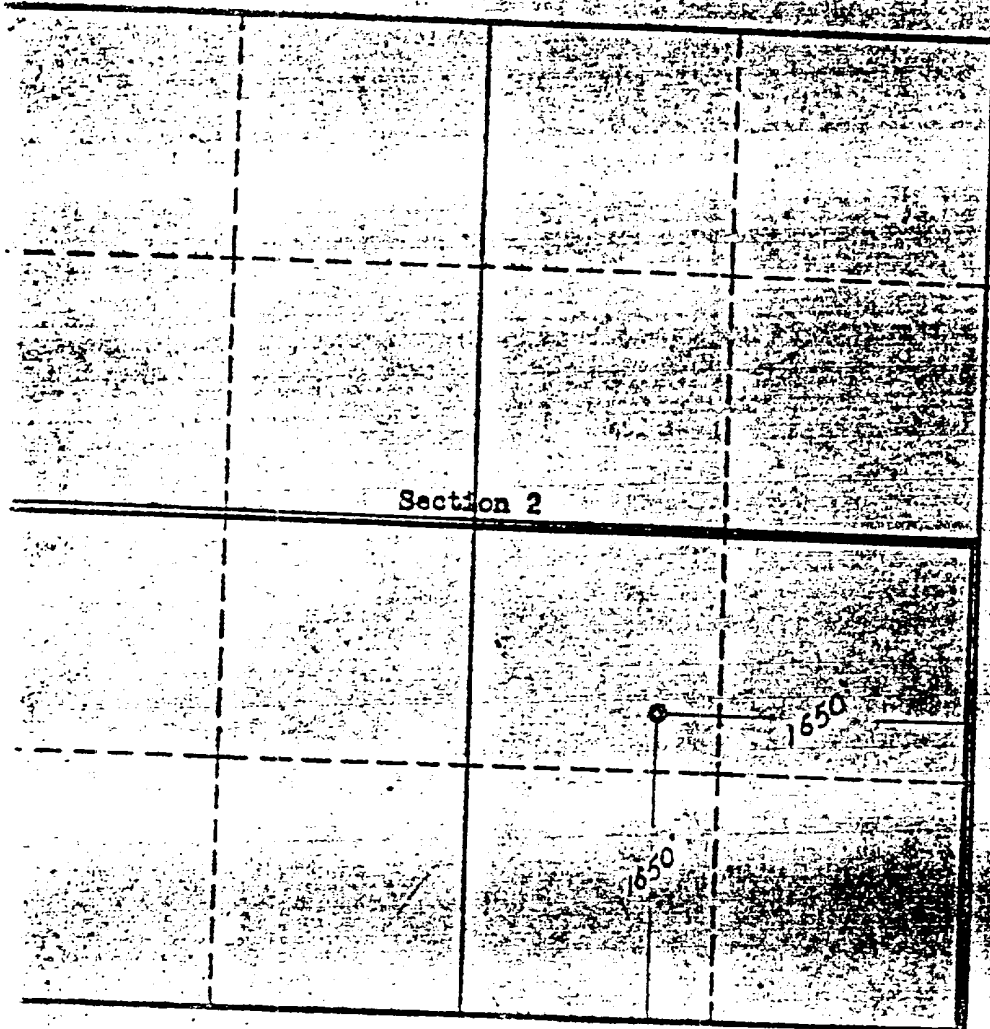
Date November 16, 1961
Astec Oil and Gas Company Lease McGrath
B-1 Unit Letter J Section 2 Township 29N Range 12W NMPM
1650 Feet From South Line, 1650 Feet From East Line
by San Juan G. L. Elevation 5892 Dedicated Acreage 320 8/2 Acres
Name of Producing Formation Dakota Pool Basin

- Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes _____ No X
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communication agreement or otherwise? Yes X No _____ If answer is "Yes," Type of Consolidation Communication
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION

SECTION B.



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

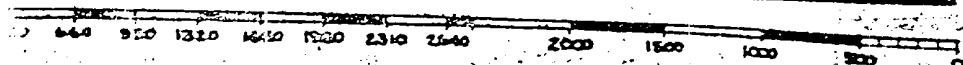
Astec Oil and Gas Company
(OPERATOR)
ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon, Dist. Supt.
P. O. Drawer 570, Farmington

This is to certify that the well location shown on the plat in Section B was plotted from a true survey of actual survey data under my supervision and the same is true and correct to the best of my knowledge and belief.

Date Surveyed Nov. 15, 1961
Four Stores Engineering Co.
FARMINGTON, NEW MEXICO

E. L. Poter
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3084



RECEIVED

BUTION

OIL
049

OFFICE

Received 7/1/80
(Page C-106)

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

[illegible]

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE** If State Land submit 6 Copic.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Ashe Oil and Gas Company

(Company or Operator)

Hydrate Unit

(Leave)

Well No. 7-1, in SE $\frac{1}{4}$ of 2 $\frac{1}{4}$ of Sec. 297, T. 12N, R. 12W, NMPM.

Festa Dado

Pool

From June

County.

Well is 1690 feet from South line and 1650 feet from East line.

of Section 2 If State Land the Oil and Gas Lease No. is 10/2/61

Drilling Commenced.....21/19/61....., 19....., Drilling was Completed.....22/19/61....., 19.....

Name of Drilling Contractor..... **Freeman & Murray Drilling Co.**

Name of Drilling Contractor.....
Address..... P.O. Box # 672, Coleman, Texas

Elevation above sea level at Top of Tubing Head..... **G.L. 5092** The information given is to be kept confidential until
non confidential 19.....

OIL SANDS OR ZONES

No. 1, from 6486 to 6494 No. 4, from _____ to _____
No. 2, from 6558 to 6596 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
6 5/8	24	NEW	10 JAW.				
4 1/2	11.5	NEW	1110*				
4 1/2	9.5	NEW	5758*				
2 3/8	4.7	NEW	6434*				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12	8 1/2	315	225	displacement		
7 7/8	4	5720	1055	two plug		
	2 3/8	5445				

DEC 28 1961
OIL CO.

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Hand-water frozen with 67,000 gals. water, 45,000# 20/40 sand, 30,000# 10/20 sand

Breakdown pr. - 3000, Avg. treating pr. - 3000, Max. treating pr. - 3100

Result of Production Stimulation.....

Av. I.P. - 34 bpm.

Depth Cleaned Out.

665

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SANTA FE	
FILE	
A.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mex

Form C-104
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

WITHIN 1/2 mile

New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farrington, New Mexico

4-29-64

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Astec Oil & Gas Company **McBRATH "A"**, Well No. **1**, in **SE** 1/4 **SE** 1/4,
(Company or Operator) (Lease)

I, Sec. **3**, T. **29N**, R. **12W**, NMPM., **Basin Dakota** Pool

Unit Letter

San Juan

County. Date Spudded **3-14-64** Date Drilling Completed **3-29-64**

Elevation **5865 Ground** Total Depth **6689'** PBTD **6552'**

Top Oil/Gas Pay **6432** Name of Prod. Form. **Dakota**

PRODUCING INTERVAL -

Perforations **6432-6440; 6452-6456; 6504-6524**

Open Hole _____ Depth _____
Casing Shoe _____ Tubing _____

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____

GAS WELL TEST -

Natural Prod. Test: **1793** MCF/Day; Hours flowed _____ Choke Size **3/4"**

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: _____ MCF/Day; Hours flowed _____

Choke Size _____ Method of Testing: _____

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): **Fract w/62,070 gals. treated wtr; 60,000# 20-40 sd; 10,000# 10-20**

Casing Press. _____ Tubing Press. _____ Date first new oil run to tanks _____

Oil Transporter _____

Gas Transporter _____

(FOOTAGE)
Tubing, Casing and Cementing Record

Size Feet Size

8-5/8"	307'	250
4-1/2"	6688'	500
2-3/8"	6429	

Remarks: _____

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

Approved **April 29** **MAY 4** 1964, 19**64**

Astec Oil & Gas Company

(Company or Operator)

ORIGINAL SIGNED BY **JOE C. SALMON** **Joe C. Salmon**
(Signature)

Title **District Superintendent**

Send Communications regarding well to:

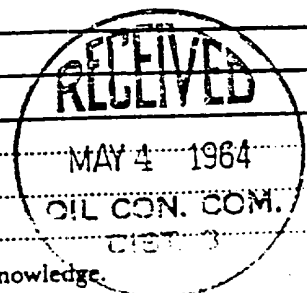
Name **Astec Oil & Gas Company**

Drawer 5570, Farrington, New Mexico

OIL CONSERVATION COMMISSION
Original Signed By

By **A. R. KENDRICK**

T **PETROLEUM ENGINEER DIST. NO. 3**



X.

A 10x10 grid with an 'X' in the 7th column and 4th row from the top-left corner.

NUMBER OF COPIES RECEIVED		DISTRIBUTION	
SENT BY			
FILE			
U.S.G.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
REGISTRATION OFFICE			
OPERATOR			

X

AREA 840 ACRES
LOCATE WELL CORRECTLY.

MOGRAPH "A"

(Company or Operator)

(Leave)

Basin Dakota

Pool, San Juan

Country.

of Section 3 If State Land the Oil and Gas Lease No. is Patented

Name of Drilling Contractor Aragahos

Address.....

* Elevation above sea level at Top of Tubing Head..... The information given is to be kept confidential until
....., 19.....

No. 1, from 6432 to 6440 No. 4, from _____ to _____
No. 2, from 6452 to 6456 No. 5, from _____ to _____
No. 3, from 6504 to 6524 No. 6, from _____ to _____

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.

No. 2, from.....to.....feet.

No. 3, from.....to.....feet.

No. 4, from.....to.....feet.

ISSUING RECORD							
SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8"	24.5	New	9 jts.				
4 1/2"	9.5 & 11.6	New	213 jts.				

[illegible]

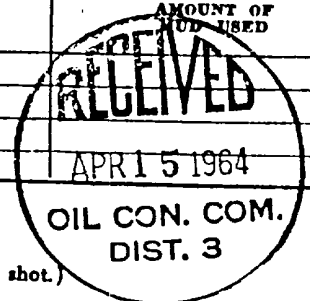
(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

~~Fract well with 62,070 gals treated wtr; 60,000 # 20-40 sd; 10,000# 10-20 sand~~

Result of Production Stimulation..... No ED pressure; Max. press. 3400#, Minimum pressure 2800#;

Average treating pressure 3100#; AIR 41.5 BFM; ISIP 1200#; SI 5 min. SOC#

Flushed w/ 1500 gals wtr treated w/ 1% cacl2 & 20% Depth Cleaned Out. 6552



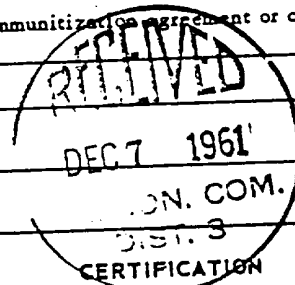
MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

Revised 5/1 57

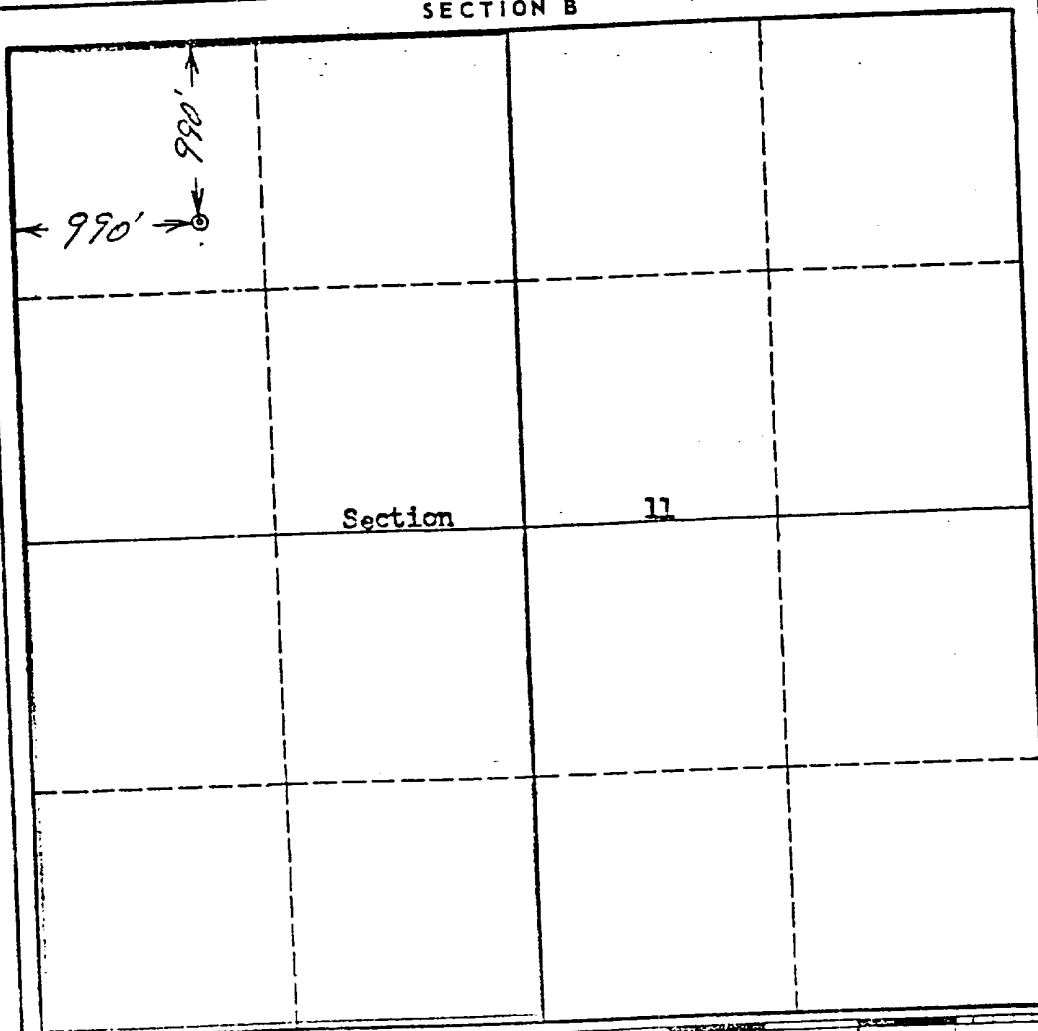
SECTION A				
Operator TENNECO OIL COMPANY		Lease CORNELL SEC DAKOTA GAS UNIT "C"		Well No. 1
Unit Letter D	Section 11	Township 29 North	Range 12 West	County San Juan
Actual Footage Location of Well: 990 feet from the North line and 990 feet from the West line				
Ground Level Elev. 5716' ungraded	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ____ . ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ____ NO ____ . If answer is "yes," Type of Consolidation ____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description



SECTION B



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

Name: **J. J. Lacey**
Position: **Dist. Petroleum Engineer**
Company: **Tenneco Corp., acting and thru its managing agent, Tenneco Oil Company**
Date: **December 6, 1961**

I hereby certify that the well location shown on the plat in SECTION B 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.

Date Surveyed: **5 December 1961**
Registered Professional Engineer and/or Land Surveyor: **Robert H. Ernst**
Certificate No.: **PE & LS 2463**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630

[illegible]

RECEIVED
JAN 29 1962
OIL CORP.
DIST.
DEP.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 065557-A
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Tenneco Corp., acting by & thru its managing
Company agent, Tenneco Oil Company Address P. O. Box 1714, Durango, Colorado

Lessor or Tract Cornell Dakota Gas Unit "C" Field Basin Dakota State New Mexico

Well No. 1 Sec. 11 T. 29N R. 12W Meridian N.M.P.M. County San Juan

Location 990 ft. ~~xxx~~ of N Line and 990 ft. ~~xxx~~ of W Line of Section 11 Elevation 5716 GL
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed L. B. Plumb L. B. Plumb

Date January 23, 1962

Title Dist. Production Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling December 6, 1961 Finished drilling December 27, 1961

OIL OR GAS SANDS OR ZONES

No. 1, from 6298 to 6306 a
No. 2, from 6380 to 6404 a
No. 3, from 6462 to 6466 a
No. 4, from 6478 to 6483 a
No. 5, from 6490 to 6495 a
No. 6, from 6495 to 6498 a

IMPORTANT WATER SANDS

No. 1, from 6498 to 6500 a
No. 2, from 6500 to 6502 a
No. 3, from 6502 to 6504 a
No. 4, from 6504 to 6506 a

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	26.4	8 rd	CR	2.54	Single Pattern	Bottom		of bomb	Surface
4-1/2	11.5	8 rd	CR	1.23	Single	Bottom		of bomb	Production
4-1/2	9.5	8 rd	CR	0.79	Single	Bottom	6298	6183	Production
END OF SECTION ON C-2 MEET									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	250'	150	Two Plug		
4-1/2	660'	300	Two Plug		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

FOLD | MARK

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Date _____

AZTEC OIL & GAS COMPANY

Lease **Mc GRATH**

No. **C-1** Unit Letter **P** Section **34** Township **30N** Range **12W** NMPM

Red **870** Feet From **South** Line, **1190** Feet From **East** Line

County **San Juan** G. L. Elevation **5774** Dedicated Acreage **320** Acres

Name of Producing Formation **Dakota** Pool **Basin Dakota**

Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes ☐ No ☒ **X**

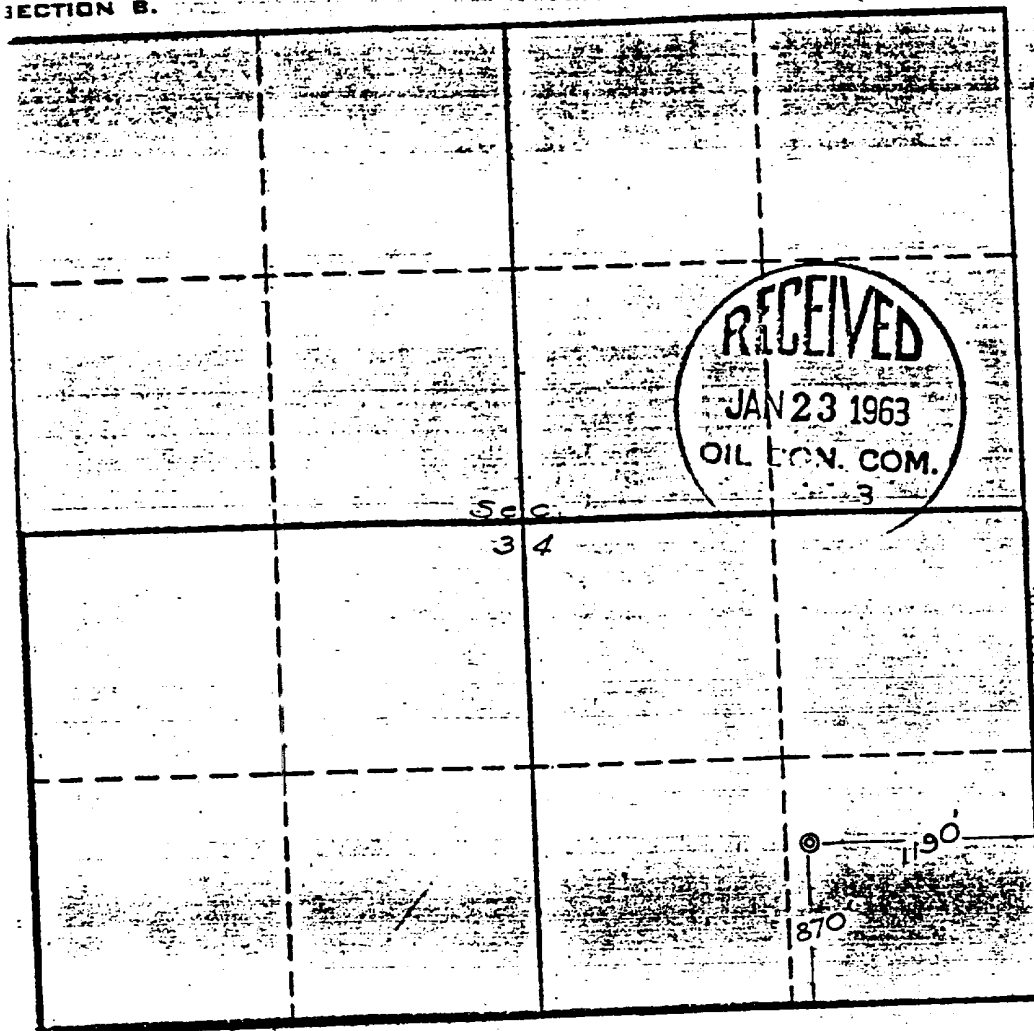
If the answer to question One is "No," have the interests of all the owners been consolidated by communization agreement or otherwise? Yes ☒ No ☐ If answer is "Yes," Type of Consolidation **communization**

If the answer to question Two is "No," list all the owners and their respective interests below.

OWNER

LAND DESCRIPTION

SECTION B.



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

AZTEC OIL & GAS COMPANY

OPERATOR

Joe C. Salmon
Joe C. Salmon,
 Dist. Supt.
 Drawer # 570, Farmington, N.M.
 (ADDRESS)

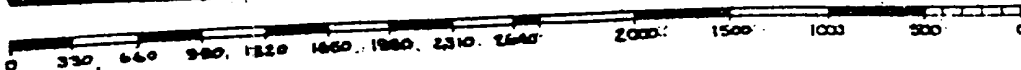
STATE OF NEW MEXICO
 This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **Jan. 18, 1962**

FARMINGTON, NEW MEXICO

Carroll E. Eckhardt
 REGISTERED ENGINEER OR
 LAND SURVEYOR

Certificate No. **3602**



U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 077922
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company AZTEC OIL AND GAS COMPANY Address P. O. DRAWER 570 FARMINGTON, N. MEX.
Lessor or Tract MCGRAFF Field BASIN DAKOTA State NEW MEXICO
Well No. C-1 Sec. 34 T. 30N R. 12W Meridian N.M.P.M. County SAN JUAN
Location 870 ft. [N.] of 3 Line and 1190 ft. [W.] of 3 Line of SECTION 34 Elevation 5771 s.l.
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date ~~MARCH 7~~ 7 1963

JOE C. SALMON Title DISTRICT SUPERINTENDENT

The summary on this page is for the condition of the well at above date.

Commenced drilling FEBRUARY 7, 1963 Finished drilling FEBRUARY 18 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6387 to 6400 a No. 4, from _____ to _____
No. 2, from 6462 to 6484 a No. 5, from _____ to _____
No. 3, from 6542 to 6576 a No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

	Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
								From—	To—	
8	5/8	24	8 rd.	J-55	311					
4	1 1/2	9.3	8 rd.	J-55	6162					
2	3/8	4.7	8 rd.	J-55	6399					
4	1 1/2	11.6	8 rd.	J-55	1163					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8	223	225	Displacement		
1/2	6637	925	Two Plug		
3/8	6-08	-----	-----		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

QUESTION	ANSWER	MARK
----------	--------	------

1983)
9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐ OTHER ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. Casing ☐ OTHER ☐
3. NAME OF OPERATOR: Amoco Production Company
4. ADDRESS OF OPERATOR: 501 Airport Drive, Farmington, NM 87401
5. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side): At surface 1770' FNL x 1480' FEL
At top prod. interval reported below Same
At total depth Same

FEB 20 1985

OIL CON. DIV.

RECEIVED

FEB 11 1985

BUREAU OF LAND MANAGEMENT

14. PERMIT NO. DATE MOVED OF AREA

6. LEASE DESIGNATION AND SERIAL NO.

SF-07792 2

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME

Duff Gas Com

10. WELL NO.

1E

11. FIELD AND POOL, OR WILDCAT

Basin Dakota

12. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

SW/NE Sec. 34, T30N, R12

13. COUNTY OR PARISH

San Juan

14. STATE

NM

15. DATE SPUNDED: 11/20/84
16. DATE T.D. REACHED: 12/2/84
17. DATE COMPL. (Ready to prod.): 1/7/85
18. ELEVATIONS (OF. RKB, RT, GR, ETC.): 5785' KB
19. ELEV. CASINGHEAD: 5772' GR

20. TOTAL DEPTH, MD & TVD: 6608'
21. PLUG. BACK T.D., MD & TVD: 6604'
22. IF MULTIPLE COMPL., HOW MANY? single
23. INTERVALS DRILLED BY: O-TD
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 6396'-6576' Dakota
25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS R/T: DIL-SP-GR-FDC-CNL-GR
27. WAS WELL CORED: No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#, K-55	316'	12-1/4"	295 c.f. Class B	
4-1/2"	10.5#, K-55	6608'	7-7/8"	Stage 1: 1,032 c.f. Class B & tailed in with 118 c.f. Class B Neat (cont. on back)	50:50 poz

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2-3/8"	6575'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6576'-6558', 4 jspf, .50"; 6410'-6396', 6424'-6420', 6508'-6476', 6520'-6516', 2 jspf, .50", total of 180 holes.		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		(6558'-6576')	20,000 gal. 30# gel & 25,000# 20-40 sand
		(6396'-6520')	70,000 gal. 70 quality foam & 90,000# 20-40 sand.

33. PRODUCTION
DATE FIRST PRODUCTION: 1/30/85
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing
WELL STATUS (Producing or shut-in): Shut-in
DATE OF TEST: 1/31/85
HOURS TESTED: 3
CHOKE SIZE: .75"
PROD'N. FOR TEST PERIOD: 168
OIL—BBL.: 1344
GAS—MCF.: 168
WATER—BBL.:
GAS-OIL RATIO:
FLOW. TUBING PRESS.: 104 psig
CASING PRESSURE: 397 psig
CALCULATED 24-HOUR RATE:
OIL—BBL.:
GAS—MCF.:
WATER—BBL.:
OIL GRAVITY-API (CORR.):
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):
TEST WITNESSED BY: J.J. Barnett

35. LIST OF ATTACHMENTS: To be sold
ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Original Signed By: Administrative Supervisor
DATE: FEB 14 1985

COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Reentry	DUL Rev
			X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.				
11/20/84	1/7/85		6608'		6604'				
Deviations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth				
5772' GR	Dakota		6396'		6575'				
Perforations						Depth Casing Shoe			
6578'-6558', 6410'-6396', 6424'-6420', 6508'-6476', 6520'-6516'						6609'			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	8-5/8", 24#	316'	295 c.f.
7-7/8"	4-1/2", 10.5#	6609'	3031 c.f.
	2-3/8"	6575'	

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)

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

AS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
1344 1/24/85	3 hrs.	168	
Testing Method (pump, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
Back pressure	1870 psig	2010 psig	.75"

All distances must be from the outer boundaries of the Section.

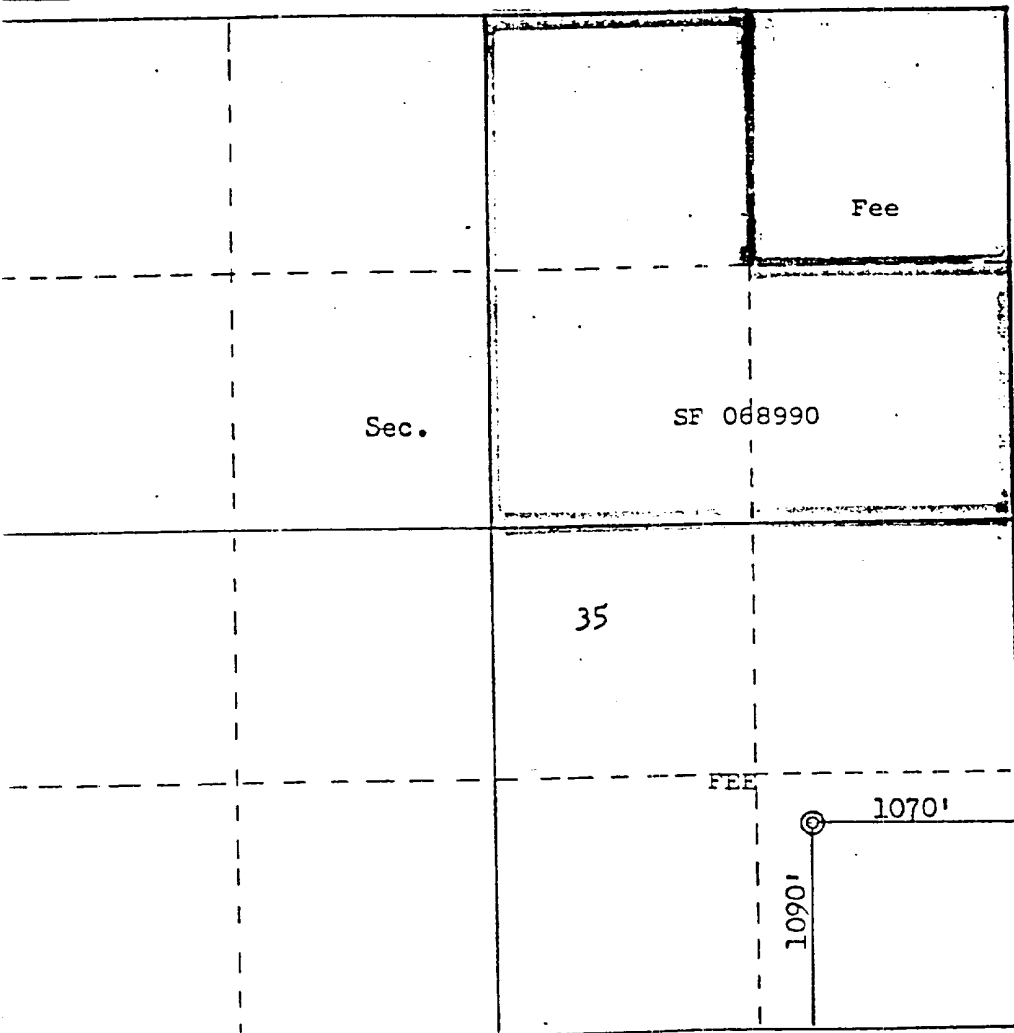
MERRION OIL & GAS CORPORATION		LEASE		WELL NO.	
CARNAHAN COM				2	
Section	Township	Range	County		
35	30N	12W	San Juan		
Well Location of Well:					
1090 feet from the South line and		1070 feet from the East line			
Ground Level Elev:	Producing Formation	Pool	Dedicated Acreage		
5905	Dakota	Basin Dakota	320	Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitized DIST. 3

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

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



Scale: 1"=1000'

CERTIFICATION

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

Steve S. Dunn

Name
Steve S. Dunn
Position
Operations Manager
Company
Merrion Oil & Gas Corporation
Date
11/17/83

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.

Date Surveyed
September 1, 1983
Registered Professional Engineer
and Land Surveyor
Fred B. Kerr Jr.
Fred B. Kerr Jr.
Certificate No. 4, 1983, 1984
3950

NEW MEXICO
MINERALS DEPARTMENTOIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

COPIES RECEIVED	
DISTRIBUTION	
STATE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐OTHER ☐

Name of Operator

Merrion Oil & Gas Corporation

Address of Operator

P. O. Box 1017, Farmington, New Mexico 87499

Location of Well

LETTER P LOCATED 1090 FEET FROM THE South LINE AND 1070 FEET FROM

East

35

TWP.

30N

RGE.

12W

NMPM

Date Spudded

6/15/84

16. Date T.D. Reached

6/24/84

17. Date Compl. (Ready to Prod.)

7/23/84

Total Depth

6780' KB

21. Plug Back T.D.

6735' KB

22. If Multiple Compl., How Many

Producing Interval(s), of this completion - Top, Bottom, Name

6714 - 6529' KB, Dakota

Type Electric and Other Logs Run

IES Induction, compensated Density Logs

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 #/ft, J-55	230' KB	12-1/4"	170 sx (350 cu. ft.) Class B	
4-1/2"	10.5 #/ft, J-55	6777' KB	7-7/8"	400 sx (488 cu. ft.) Class H	305 x 96
				600 sx (1236 cu. ft.) Class B	
				100 sx (122 cu. ft.) Class B	total 22'

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6530' KB	

Perforation Record (Interval, size and number)

6529, 6538, 6541, 6617, 6620, 6625, 6629, 6632, 6700, 6705, 6710, 6714, 12 holes, 0.32" diameter.

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

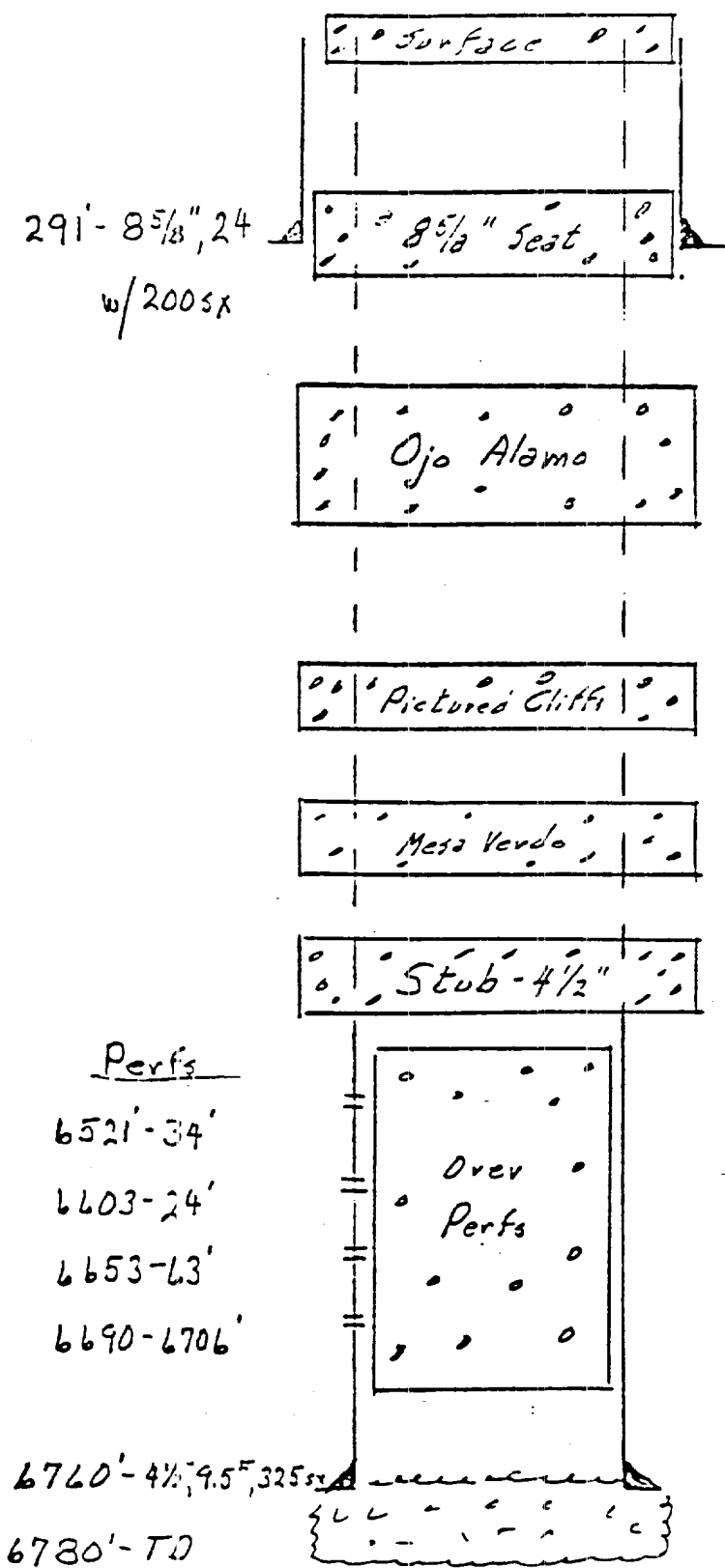
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6529 - 6714' KB	75 Quality Foam
	434 Bbls H2O
	1,700,198 SCF N ₂
	55,000 # 20/40 sand

PRODUCTION

First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
7/23/84		Flowing				Shut in	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/3/84	3	20/64		2 Bbls	603 MCF/D	trace	37,688
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
850 PSI	950 PSI		16	603 MCF/D	trace	48°	
Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
Vented						Tim Merilatt	
List of Attachments							

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

8/6/84



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

All distances must be from the outer boundaries of the Section

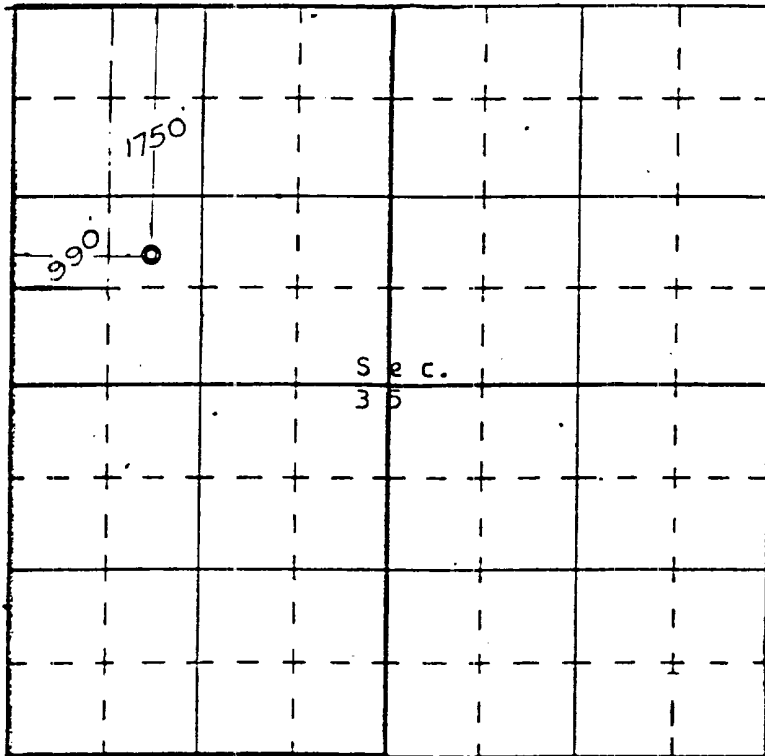
Operator Artec Oil & Gas Company			Lease J. Hudson		Well No. 3
Unit Letter E	Section 35	Township 30 North	Range 12 West	County San Juan	
Actual Footage Location of Well:					
1750	feet from the North	line and	990	feet from the West	line
Ground Level Elev. 5857	Producing Formation Dakota - Messaverde	Pool Basin Dakota Flora Vista Messaverde (Ext.)	Dedicated Acreage: 320		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-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.

ORIGINAL SIGNED BY JOE C. SALMON

Name _____

Position **Joe C. Salmon**

Company **District Superintendent**

Date **Artec Oil and Gas**

May 27, 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.

Date Surveyed _____

March 31, 1966
Registered Professional Engineer
and/or Land Surveyor

E. J. Edwards
Certificate No. 3602

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐
2. NAME OF OPERATOR: **Aztec Oil and Gas**
3. ADDRESS OF OPERATOR: **Drawer 570 Farmington, New Mexico**
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface **1750 FNL & 990 FNL Sec 35, T-30N, R-12W**
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED **7/22/66** 16. DATE T.D. REACHED **8/4/66** 17. DATE COMPL. (Ready to prod.) **8/15/66** 18. ELEVATIONS (DF, REB, RT, GR, ETC.): **5857 GL** 19. ELEV. CASINGHEAD **5858**

20. TOTAL DEPTH, MD & TVD **6750** 21. PLUG BACK T.D., MD & TVD **6732** 22. IF MULTIPLE COMPL., HOW MANY? **1** 23. INTERVALS DRILLED BY **X** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6460 - 6680

26. TYPE ELECTRIC AND OTHER LOGS RUN

Es - Ind and Density log27. WAS WELL CORED **NO**

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	306	12-1/4	250 ✓	
4-1/2"	10.5#	6750	7-7/8	700 ✓	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/2	6597	

31. PERFORATION RECORD (Interval, size and number)

6460-80, 6540-62, 6567-72, 6580-85, 6668-80
4 SPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6460-6668-80	1936 bbl H2O
	40,000# 20/40
	20,000# 10/20
	125 balls

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		flowing				shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'NG FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/22/66	3 hr	3/4"					
LOW-TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
170	747			2485			

4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

vented

5. LIST OF ATTACHMENTS

5. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **[Signature]** TITLE **District Engineer** DATE **August 23, 1966**

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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT

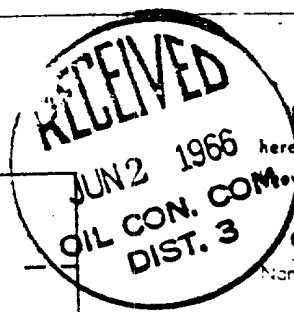
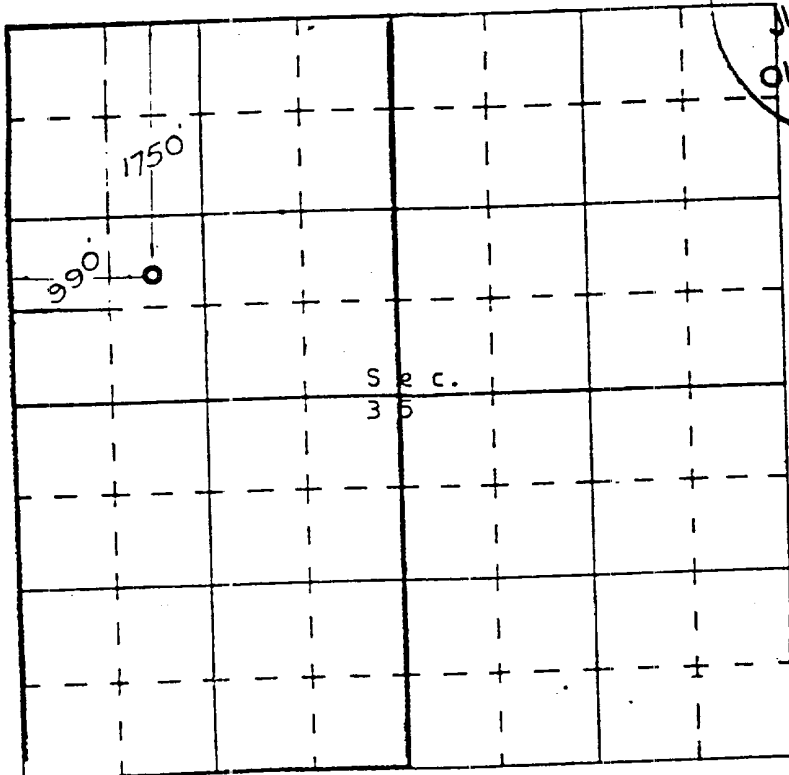
All distances must be from the outer boundaries of the Section.

Lease Hudson Well No. 3
Aztec Oil & Gas Company
 Section 35 Township 30 North Range 12 West County San Juan
 Section Footage Location of Well: 1750 feet from North line and 990 feet from the West line
 Producing Formation Basin Dakota Dedicated Acreage 320 Acres
 Section Elevation 5857 Dakota - Mesaverde Flora Vista Mesaverde (Ext)

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?
- ☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-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.

ORIGINAL SIGNED BY JOE C. SALMON

Name Joe C. Salmon
 Position District Superintendent
 Company Aztec Oil and Gas
 Date May 27, 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.

Date Surveyed March 31, 1966
 Registered Professional Engineer
 and/or Land Surveyor

E. J. Edwards
 Certificate No. 3602

NEW MEXICO OIL CONSERVATION COM. ON
REQUEST FOR ALLOWABLE
AND

Form 104
Supersedes Old 104 and C-1
Effective 1-1-66

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Address Aztec Oil and Gas

Backpack (for filing of back proper box) Drawer 570 Farmington, New Mexico

New well ☒

Change in Transporter of:

Other (Please explain)

Drilling ☐

Oil ☐

Dry Gas ☐

Change in ownership ☐

Casinghead Gas ☐

Condensate ☐

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name Hudson Section 3 Basin Dakota State Fed ST 077922
Direction E Distance 1750 feet from the North line and 990 feet from the West line
Township 35 Range 30N County San Juan

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Designated Transporter of Oil or Condensate ☒ Plateau Incorporated Box 108 Farmington, New Mexico
Designated Transporter of Casinghead Gas or Dry Gas ☒ Southern Union Gas Company Box 815 Farmington, New Mexico
Is this actually consigned? NO

This production is commingled with that from any other lease or pool, give commingling order number

COMPLETION DATA

Designate Type of Completion - (X) Oil Well ☒ Gas Well ☒ New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Force Main ☐ Jetting ☐
Date of Completion 7/22/66 Date Compl. Ready to Prod. 8/9/66 Total Depth 6750 R.B.B. 6732
Applic. of RAB, RT, R, etc. 5857 GL Name of Producing Formation Dakota Top Oil Gas Int. 6460-6680 Surface Feet 6597
Description 6460-80, 6540-62, 6567-72, 6580-85, 6668-80, 4 EFF Depth Casing St. 6750

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>12 1/8"</u>	<u>8 5/8"</u>	<u>306</u>	<u>250 SX</u>
<u>7 7/8"</u>	<u>4 1/2"</u>	<u>6750</u>	<u>750 SX</u>
	<u>1 1/2"</u>	<u>6597</u>	

TEST DATA AND REQUEST FOR ALLOWABLE

1. WELL (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)
a. Flow New Oil Run To Tanks Date of Test: Producing Method (Flow, pump, gas lift, etc.)
b. Shut-in Test Tubing Pressure Casing Pressure Choke Size
c. Gas Prod. During Test Oil - Bbls. Water - Bbls. Gas - MCF

2. WELL
a. Flow Test - MCF/D Length of Test: Bbls. Condensate/MMCF Gravity of Oil-GON. COM. DIST. 3
b. Shut-in Test (pilot, back prod.) Tubing Pressure (Shut-in) Casing Pressure (Shut-in) Choke Size
c. Back measure 170 747 3/4"

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 is true and complete to the best of my knowledge and belief.

OIL CONSERVATION COMMISSION
APPROVED SEP - 2 1966
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 change of owner, well name or number, or transporter, or other such change of ownership.
Separate Forms C-104 must be filed for each recompleted well.

ORIGINAL SIGNED BY JOE C. SALMON

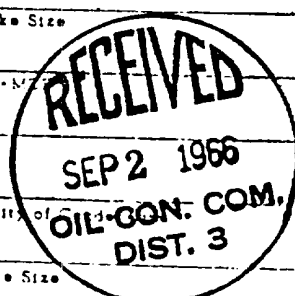
(Signature)

District Superintendent

(Title)

August 31, 1966

(Date)



Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
12. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <u>DISPOSAL</u>					
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>					
2. Name of Operator COLEMAN OIL & GAS COMPANY					
3. Address of Operator 708 SOUTH TUCKER, FARMINGTON, NM 87401					
4. Well Location Unit Letter <u>E</u> : <u>1595</u> Feet From The <u>NORTH</u> Line and <u>1005</u> Feet From The <u>WEST</u> Line Section <u>2</u> Township <u>29N</u> Range <u>12W</u> NMPM <u>SAN JUAN</u> County					
10. Date Spudded <u>01-28-92</u>	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.) <u>2-24-92</u>	13. Elevations (DF & RKB, RT, GR, etc.) <u>5859 GR.</u>	14. Elev. Casinghead <u>5864</u>	
15. Total Depth <u>4760</u>	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones? <u>1</u>	18. Intervals Drilled By <u>X</u>	Rotary Tools <u>X</u>	
19. Producing Interval(s), of this completion - Top, Bottom, Name				20. Was Directional Survey Made <u>YES</u>	
21. Type Electric and Other Logs Run <u>DUEL INDUCTION & FORMATION DENSITY</u>				22. Was Well Cored <u>NO</u>	
23. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD
<u>8-5/8</u>		<u>24.0</u>	<u>209</u>	<u>12-1/4</u>	<u>250 sc Class B</u>
<u>5-1/2</u>		<u>15.50</u>	<u>4760</u>	<u>7-7/8</u>	<u>1st stage 230sx 65/35</u>
					<u>& 265 Class B Tail.</u>
					<u>2nd stage 465sx 65/35</u>
					<u>& 50sx "B" Tail.</u>
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
<u>2-7/8</u>	<u>4300</u>	<u>4300</u>			
26. Perforation record (interval, size, and number) <u>4350-4460 2spf .46 220</u>					
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
28. PRODUCTION					
Date First Production <u>02-24-92</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>SWABBING</u>			Well Status (Prod. or Shut-in) <u>SHUT-IN</u>
Date of Test <u>02-24-92</u>	Hours Tested <u>24</u>	Choke Size <u>2"</u>	Prod'n For Test Period	Oil - Bbl. <u>TR.</u>	Gas - MCF <u>3.2</u>
Flow Tubing Press. <u>0</u>	Casing Pressure <u>315</u>	Calculated 24-Hour Rate	Oil - Bbl. <u>0</u>	Gas - MCF <u>164.99</u>	Water - Bbl. <u>19. CU/FT/BBL</u>
29. Disposition of Gas (Sold, used for fuel, vented, etc.) <u>VENTED</u>		Test Witnessed By <u>HAROLD ELLEDGE</u>			Oil Gravity - API - (Corr.) <u>NOT MEASURED</u>
30. List Attachments <u>PRODUCTION TEST</u>					
31. I hereby certify that the information shown on both sides of this form is true and correct to the best of my knowledge and belief					
Signature <u>Ron Mahan</u>		Printed Name <u>RON MAHAN</u>		Title <u>CONTRACTS MGR</u>	Date <u>02-28-92</u>

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)
30-045-241-53

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name SUNCO DISPOSAL <u>13795</u>		
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> <u>SWD DISPOSAL X</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Well No. <u>#1</u>		
2. Name of Operator COLEMAN OIL & GAS COMPANY <u>4838</u>			9. Pool name or Wildcat <u>76680</u> FLORA VISTA MESA VERDE		
3. Address of Operator 700 SOUTH TUCKER, FARMINGTON, NM 87401					
4. Well Location Unit Letter <u>E</u> : <u>1595</u> Feet From The <u>NORTH</u> Line and <u>1005</u> Feet From The <u>WEST</u> Line Section <u>2</u> Township <u>29N</u> Range <u>12W</u> NMPM <u>SAN JUAN</u> County					
10. Proposed Depth <u>4760</u>		11. Formation <u>MESA VERDE</u>		12. Rotary or C.T. <u>ROTARY</u>	
13. Elevations (Show whether DF, RT, GR, etc.) <u>5859 GR.</u>		14. Kind & Status Plug. Bond		15. Drilling Contractor <u>BIG "A" WELL SERVICE</u>	
				16. Approx. Date Work will start <u>1-28-92</u>	
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
<u>12-1/4</u>	<u>8-5/8</u>	<u>24.0</u>	<u>200</u>	<u>200</u>	<u>SURFACE</u>
<u>7-7/8</u>	<u>5-1/2</u>	<u>15.50</u>	<u>4760</u>	<u>900</u>	<u>SURFACE</u>

We propose to drill, log, and set casing through the point lookout member of the Mesa Verde and upon examination of the logs, a portion of the point lookout will be selectively perforated and stimulated as needed.

RECEIVED

FEB 28 1992

OIL CON. DIV
DIST

APPROVAL EXPIRES 4-5-92
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE [Signature] TITLE CONTRACTS MANAGER DATE 02/28/92
TYPE OR PRINT NAME RON MAHAN TELEPHONE NO 327-4961

(This space for State Use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR 05 1992
CONDITIONS OF APPROVAL, IF ANY:

P 553 308 258

US Postal Service
Receipt for Certified Mail
 No Insurance Coverage Provided.
 Do not use for International Mail (See reverse)

Sent to	
Merrion Oil & Gas	
Street & Number	
P.O. Box 840	
Post Office Code	
NM 87499	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Fold at line over top of envelope to the right of the return address

CERTIFIED

P 553 308 258

MAIL

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Merrion Oil & Gas
P.O. Box 840
Farmington NM 87499

4a. Article Number

P 553 308 258

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 553 308 259

US Postal Service
Receipt for Certified Mail
 No Insurance Coverage Provided.
 Do not use for International Mail (See reverse)

PS Form 3800, April 1995

Fold at line over top of envelope to
 the right of the return address

CERTIFIED

P 553 308 259

MAIL

Sent to Meridian Oil	
Street & Number P.O. Box 4289	
Post Office, State & ZIP Code NM 87499	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Meridian Oil Company
P.O. Box 4289
Farmington NM 87499

4a. Article Number
P 553 308 259

- 4b. Service Type
- | | |
|---|---|
| <input type="checkbox"/> Registered | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

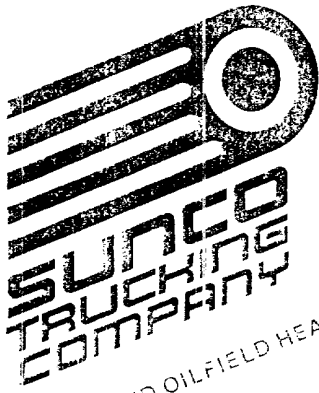
6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.



WATER AND OILFIELD HEAVY HAULING P.O. BOX 445, FARMINGTON, NM 87499 (505) 327-0416

Merrion Oil & Gas
P.O. Box 840
Farmington NM 87499
Phone: 505-327-9801

May 3, 1996

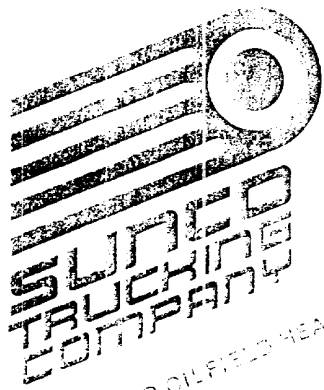
Gentleman:

Reference: Reclassification of Sunco SWD.

Sunco Trucking is in the process of applying for a new classification from Class II to Class I disposal to accept only RCRA exempt non-hazardous oil and gas wastes. The attached is a copy of that application.

Thank You,

Chuck Badsgard
Vice-President of Sunco Trucking



WATER AND OILFIELD HEAVY HAULING P.O. BOX 4289 FARMINGTON, NM 87499 (505) 327-0416

Meridian Oil
P.O. Box 4289
Farmington NM 87499
Phone: 505-326-9700

May 3, 1996

Gentleman:

Reference: Reclassification of Sunco SWD.

Sunco Trucking is in the process of applying for a new classification from Class II to Class I disposal to accept only RCRA exempt non-hazardous oil and gas wastes. The attached is a copy of that application.

Thank You,

Chuck Badsguard
Vice-President of Sunco Trucking

