#### OIL CONSERVATION DIVISION PO/BOX 2088 SANTA FE, NM 87504-2088

FORM C-108 Revised 7-1-81

### APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? XYes 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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation it in the reinjected produced water; and</li> <li>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.).</li> </ol>
*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/1 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
	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.
חופדם	IRUTION: Original and one conv to Santa Fe with one conv to the appropriate District Office

#### 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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- IX. Stimulation Program
- X. Well Test Data
- XI. Fresh Water Data
- XII. Affirmitive Statement & Contingency Plan
- XIII. Proof of Notice
- XIV. Certification
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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# flocel 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 thichness 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 occurrs 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 availible 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 immediatly 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 Badogard 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

# JIL CONSERVATION DIVISI →

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

DISTRICT II P.O. Drawer DD, Artesia, NM 18210

STRICT 1
2.0. Box 1980, Hobbs, NM 88240

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM \$7410

... V

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

perator		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Lease		0	Well No.
COLEMAN	DRILL	ING OIL & G	1	Sun	co Dup	osal	. /
	ection	Township		Range	l	Соця	
E	2	29N		12W_	N	IPM SAN .	JUAN
cual Footage Location	on of Well:		-				
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round level Elev.	P	roducing Formation		Pool	1/1/6		11/10-
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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. 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"

Pipe Tally Sunco Well #1 Coleman Oil & Gas

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
	40 55	10 55	E4	11 76	1926.50	101	1.79	2517.83	151	32.40	<b>2550.2</b> 3	201	28.96	4143.22	251	32.72	4801.12
	42.55	42.55 83.01			1928.30			2517.83			2582.52			4174.63		41.78	4842.90
2	40.45 42.02	125.03		41.75	2009.77			2517.83			2610.43		30.39	4205.02		21.00	4863.90
3 4	35.46	160.49		41.72	2051.49		_	2517.83			2640.87		31.37	4236.39	254		4863.90
5	34.50	194.99		41.76	2093.25			2517.83			2671.60		29.44	4265.83	255	1	4863.90
6	39.58	234.57		41.72	2134.97		e	2517.83			2702.85		28.08	4293.91	256	e	4863.90
7	43.50	278.07	<b>5</b> 7	33.45	2168.42		r	2517.83			2736.03	207	32.38	4326.29	257	f	4863.90
8	32.94	311.01	58	28.68	2197.10			2517.83		31.37	2767.40	208	32.42	4358.71	258	t	4863.90
9	35.59	346.60	59	30.30	2227.40		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		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			2517.83	161	32.45	2858.05	211	32.18	4463.89	261	0	4863.90
12	34.96	433.51	62	31.26	2324.06		T	2517.83	162	30.56	2888.61	212	30.70	4494.59		u	4863.90
13	36.24	469.75	63	31.03	2355.09	113	0	2517.83	163		2919.96		30.55	4525.14		t	4863.90
14	35.51	505.26	64	42.88	2397.97	114	0	2517.83	164		2951.69		32.28	4557.42			4863.90
15	35.69	540.95	65	29.33	2427.30	115	1	2517.83			2981.99		32.22	4589.64			4863.90
16	21.45	562.40	66	27.75	2455.05	116		2517.83			3014.05		32.33	4621.97			4863.90
17	36.15	598.55	67	28.62	2483.67	117		2517.83			3044.33		40.85	4662.82			4863.90
18	41.58	640.13	<b>6</b> 8	29.68	2513.35			2517.83			3075.17		33.03	4695.85			4863.90
19	41.78	681.91	69		2513.35			2517.83			3107.82		39.85	4735.70			4863.90
20	21.91	703.82			2513.35			2517.83			3138.52		32.70	4768.40			4863.90 4863.90
21	33.94	737.76		2.69				2517.83		29.34	3167.86			4768.4			4863.90
22	25.13	762.89			2516.04			2517.83		31.20	3199.06			4768.4			4863.90
23	41.77	804.66		S	2516.04			2517.83		32.76	3231.82			4768.4			4863.90
24	36.15	840.81		h	2516.04			2517.83		32.69	3264.53 3297.06			4768.4			4863.90
25	41.80	882.61		0	2516.04			2517.83		32.55 29.66	3326.7			4768.4			4863.90
26	41.62	924.23		e	2516.0			2517.85 2517.85			3355.0			4768.4			4863.90
27	41.78	966.01		ę.	2516.0			2517.8		32.14	3387.2			4768.4			4863.90
28	41.84	1007.85		f 1	2516.0 2516.0			2517.8		31.67	3418.89			4768.4			4863.90
29	41.74	1049.59		0	2516.0			2517.8		32.30	3451.1			4768.4			4863.90
30 31	40.92 33.86	1090.51 1124.37	_	a	2516.0			2517.8		30.59	3481.7			4768.4			4863.90
32	41.89	1166.26		t	2516.0			2517.8			3513.7			4768.4	0 282		4863.90
33	41.72	1207.98		c	2516.0			2517.8			3546.7	1 233		4768.4	0 283		4863.90
34	41.48	1249.46		0	2516.0			2517.8		29.61	3576.3	2 234		4768.4	0 284		4863.90
35	41.74	1291.20		1	2516.0			2517.8	3 185	29.13	3605.4	5 235		4768.4			4863.90
36		1333.04		1	2516.0			2517.8	3 186	28.61	3634.0	6 236		4768.4			4863.90
37		1374.86		a	2516.0	4 137				34.11				4768.4			4863.90
38		1415.94		r	2516.0	4 138				41.18				4768.4			4863.90
39	41.84	1457.78	89		2516.0	4 139				41.16				4768.4			4863.90
40	41.84	1499.62	90		2516.0			2517.8						4768.4			4863.90
41		1541.50			2516.0			2517.8						4768.4			4863.90 4863.90
42		1584.08			2516.0			2517.8						4768.4			4863.90
43		1625.53			2516.0			2517.8						4768.4 4768.4			4863.90
44		1656.26			2516.0					28.25	3898.3			4768.4			4863.90
45		1692.41			2516.0			2517.8			3927.9 3968.2			4768.4			4863.90
46		1725.03			2516.0			2517.8 2517.8						4768.			4863.90
47		1766.84			2516.0 2516.0					41.16				4768.			4863.90
48		1801.29			2516.0					30.64				4768.			4863.90
	41.75 41.70				2516.0					33.05				4768.			4863.90
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	±1884.74			2516.0			2517.8			4114.20			4768.4	0		4863.	90
-																	

68 jts 2513.35

float & shoe 2.69 Joints #1 thru #56 are LT&C, the rest are ST&C

dv tool 1.79 70 jts 2250.57'

DV tool at 2244.17' KB Anticipated PBTD 4717' KB

WELL PROFILE		T	····	<del></del>
WELLPROFILE	OPERATOR COLEMAN OIL + GAS CO.	Ca	sing Line	Tubing
	WELL # SUNGO WDW#1	SIZE	5%	27/
	FIELD CROUCH MESA			27/2
	COUNTY SAN JUAN	WEIGHT	15.5	6.5
10 5 7	STATE NEW MEXICO	GRADE		
	DATE 7/27/94	THREAD		FUE
3	☐ NEW COMPLETION ☑ WORKOVER	DEPTH	.170	
	ITEM	DEPTH	4706	1965
	NO. EQUIPMENT AND SER	VICES 5	LENOTA 13.00	1
	I DONUT TYPE TUBING HANGER		. 76	
	2 278 EU PINX PIN NIPPLE		. 46	
	3 3 B PLASTIC LINED PUP JOINT		10.15	
	4 27/8 PLASTIC LINED PUT JOWY		6.32	
	5 135 JTS 27/8 PLASTIC LINED TUB	ING	<u>4248,78</u>	2
	6 27/8 x 51/2" ARROW 'T-2' PLASTIC		1,66	
	ON-OFF TOOL (MERS W) S.N		<del></del>	
	7 27/8 X 1.87 STAINLESS STEEL	NIPPLE		4981
	-W/ 1.87" 'F' PROFILE  B 2.688 x 51/3" ARROW J-LATCH			<del> </del>
	9 3EA J.688 BONDED SEAL UN		.90	+
	10 2.688 1/2 MULESHOE BOTTOM			+
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	11 51/2 x 2.688 ARROW 'XL-W"	RETRIEUMS	¥ 4.68	4983
	SEAL BORE PACKER			
	12 51/2 + 2.688 TUBING ADACTER BO	TTOM	1110	
	13 23/8 PLASTIC COATED PUT JOM		5.69	
	14 23/8 x 1.78 STAINLESS STEEL	NIPPLE	.87	4289
	J/1.78" 'F' PROFILE			
(6-)	15 23/8 PLASTIC COATED PUT JOIN	r	6.10	
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1 5'h" 15.5# CASING	PREPARED BY OFFICE		PUCNE	
4706	B. J. WARBURTON FARMING	חנא, נהם	PHONE	26-5141

MOUNTAIN STATES OIL TOOL

### "EXIBIT B #2 CONTINUED."

#### PIPE RECORD

Coleman oil & 645 LEASE Sunco Disposal WELLNO. 7/28 1994 PIPE TALLY - Show every piece of equipment going into the hole in the order run. COLUMN 2 COLUMN 3 COLUMN 4 COLUMN 5 COLUMN 6 COLUMN 7 **COLUMN 8** WT. GRADE WT. GRADE WT. GRADE GRADE WT. GRADE WT. GRADE WT. GRADE GRADE JOINT JOHNY JOINT JOHT JOINT JOINT JOINT FEET FEET FEET FEET FEET FEET FEET FEET NO. NO. 27 6/10 69 468 90 1/6/ 110 っ Ц T. × 5/69 4 68 90 610 10 Jts. left on rack after running No. Jis. run Jts. on rack before running COLUMN WEIGHT GRADE THREAD MAKE NO. WITCHINE ENTRY GUISG 23/8 MM STATES Plastic Linea Pup Joint 23/8 MITU STATES 10 1.78" Stammess "F" NiPPLE MTN STATES 87 23K PLASTIC Lineal Puo Joint MTOU STATES TUBING IL HATOR BOTTOM MTN STATES Arrow XL-W RETTIEVABLE PACKER 27/8" Arrow ACROW T-2 ON/OFF TOOL "ASTERISK DESIGNATES CENTRALIZER ON JOINT TOTAL REMARKS @ 4280.93' KB - Brown @ 4299.92'KB JOINTS NOT RUN PUP Joints used to space with me A.B. ul Teflon Rings TOP ROTARY DRIVE BUSHING TO TOP OF CASING HEAD FLANGE (+) CO. REP.

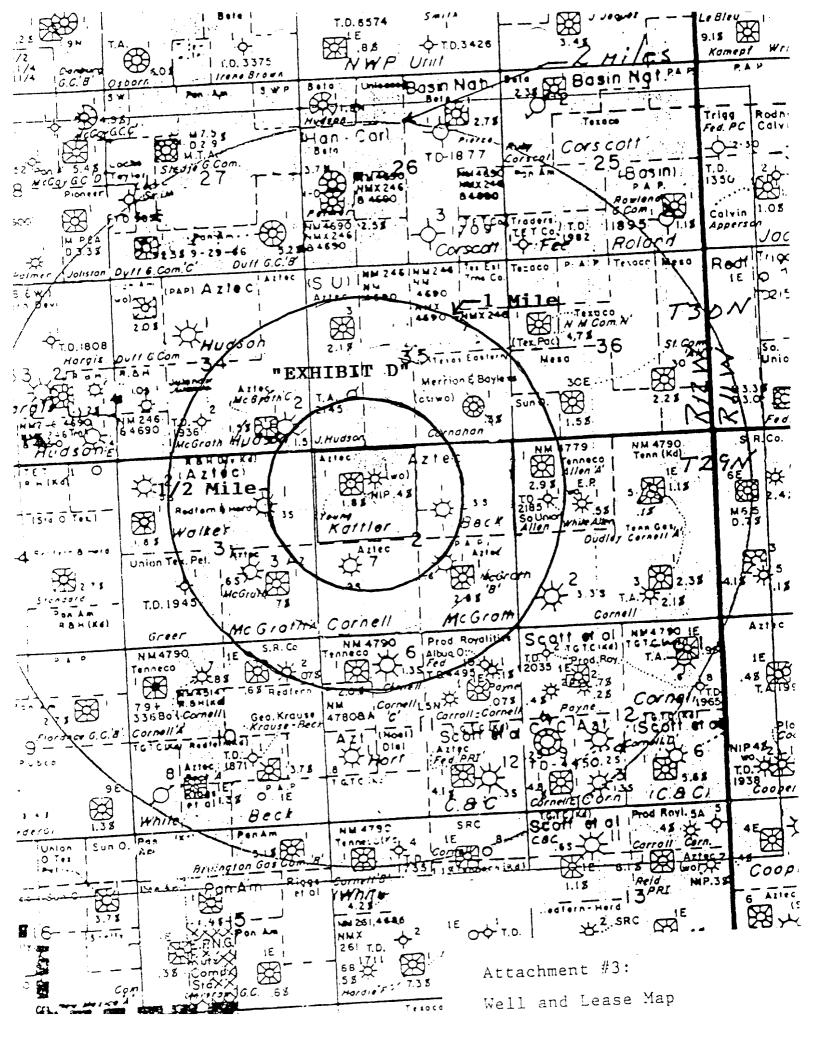
# "EXIBIT B #2 CONTINUFT" PIPE RECORD

Colengan OIL GAS LEASE Sanco DISPOSOL WELL NO. 7/28 1994 1 PIPE TALLY - Show every piece of equipment going into the hole in the order run. COLUMN 6 COLUMN 4 COLUMN 5 COLUMN 3 COLUMN 7 COLUMN 1 COLUMN 2 **COLUMN 8** WT. GRADE WT. GRADE WT. GRADE WT. GRADE GRADE GRADE WT. GRACIE WT. GRADE THIOL JOINT JOINT THICK JOHNT JOINT FEET FEET FEET FEET FEET FEET FEET FEET 46 TAKENBUT 71 29/5: 64 30 61/30 62 25 22 1.3 65 63 20 31 10 05 63 90 65 12 30 31 10 85 02 31 40 90 10 50 32 75 63 30 60 64/60 188 20 B 50 63 55 Ž New PIPE 63/63 70 29 97 57 90 62 53 29 98 54 90 45 ٥٦ 31 90 50 05 188 97 61 10 137 1259 03 16 GF 1226 1255 No. Jts. run Jts. on rack before running Jts. left on rack after running COLUMN GRADE JTS. O.D. WEIGHT FEET ITEM NO. 8-0 27/1 29 4.5 1226 81 7-55 SALTA 101NB 1255 70 40 SA LTA 1. 2 1259 03 40 SALTA ı ţ 505 80 SALTA ٠, 4 37 , 1 . ( SALTA 5 41 MT. STATES . **\*ASTERISK DESIGNATES CENTRALIZER ON JOINT** 4286 48 REMARKS 44 TOTAL 4286 92 TOP ROTARY DRIVE BUSHING TO TOP OF CASING HEAD FLANGE, 80 (+) 4299 BOTTOM PACKER ASSM.



ENGINEERING & PRODUCTION CORP. Petroleum Engineering Consulting 204 N. Autoum Lease Management Farmington, New Mexico 8740 Contract Pumping (505) 327-4332 COLEMAN OIL & GOS Sunco DISPOSAL WELL #1 136 575, 278, 6.5 ", 555, PLASTIL CONTENTS SET AT 4495. (ONE JOHN BELOW PACKER 220 TOTAL HOLES. 7570 - 4706 5 1/2", 18.5 #, x-55 SET AT 4760

Pour THOMAUNI 10/14/03



RECORD# API NUMBER UL SEC TWN RGE WELL NAME WELL # OPERATOR POOL TYPE DATE DEP

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6780	6760	6760	6750	6637	8099	6604	6689	6720	6740	6625	6786

<sup>\*</sup>The completion records are also attached.

#### EXHIBIT F

# Calculated Area of Review by Hydreologic Equation

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

\*\*Calculated Area of Review is 1632'

#### STATE OF NEW MEXICO



#### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



#### "Exhibit G"

BRUCE KING

ANITA LOCKY/GOD CABINET SECRETARY

December 22, 1993

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

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

ce: Oil Conservation Division - Aztec

File: SWD-457

PSI-X, 4th Quarter



ANALYSIS NO. <u>51-76-</u>

FIELD RECEIPT NO.

# API FORM 45-1

API WATER ANALYSIS REPORT FORM

Company  Coloman OI + 605  Field  Lagri Dascription  Soc 3 TAN ROW  County or Parish State  Sunco Discoso   #  Depth Formation M.V. (Pt. Lockout)   Water, B/D  Type of Water (Produced, Supply, etc.)  Dissolved Solids	-92
Lease or Unit SQC 3 TAGN R&W County or Farish State  Lease or Unit SQC 3 TAGN R&W SQU SQU NM  SUCCO DISCOSO #  Depth Formation M.V. (Pt. Locator) Water. E/D  Type of Water (Produced, Supply, etc.) Sampling Point Pit Sampled By  DISSOLVED SOLIDS	
Sunco Disposo # Depth Formation Water. B/D  Type of Water (Produced, Supply, etc.) Sampling Point Pit Sampled By  Dissolved Solids	
Type of Water (Produced, Supply, etc.) Sampling Point Plant Sampled By  DISSOLVED SOLIDS	·
DISSOLVED SOLIDS	i i
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Potassium, K 740 18.4)	
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ANALYST: LLQQ

PLEASE REFER ANY QUESTIONS TO:

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

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# LABORATORY WATE

To Southland	i Royalty	Dato9	0/12/84
•	ug Harris	it and any part thereof or	of Halliburton Campany and neither or a topy thereof is to be published
Box 570		or disclosed without first of laboratory management	neguring the explosus within approve it; it may however, be used in the operations by the person or concer-
Farmingto	on, N.M. 87499	and employees thereof re	stelving such report from Mallibume
Submitted by Doug	z Harris	Date Rec	
Well No. McGrath	14 Dopth. 4255	- 4377 Formation_	Point Locksul
County	Field	SourcoD	ST 12 4255-437
		Bottom Recovery	
Resistivity	3.16@ 65°F	97@ 71°F	.68 @ 68°F
		_7.53	
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Chlorides (CI)	2900	6950	9900
Sulfates (SQ.)		Company design and experience of the company of the	
Blcarbonates (HCO <sub>3</sub> )	320	_705	670
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Remarks:			*Milligroms per liter
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	,	HALLIBURTON	COMPANY
Analyst:cci	ng apin di mangang ang ang ang ang ang ang ang ang a	TIMERIDON ON	2 P
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This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liquid for any loss or damage, whather it be to act or omission, resulting from such report or its use.

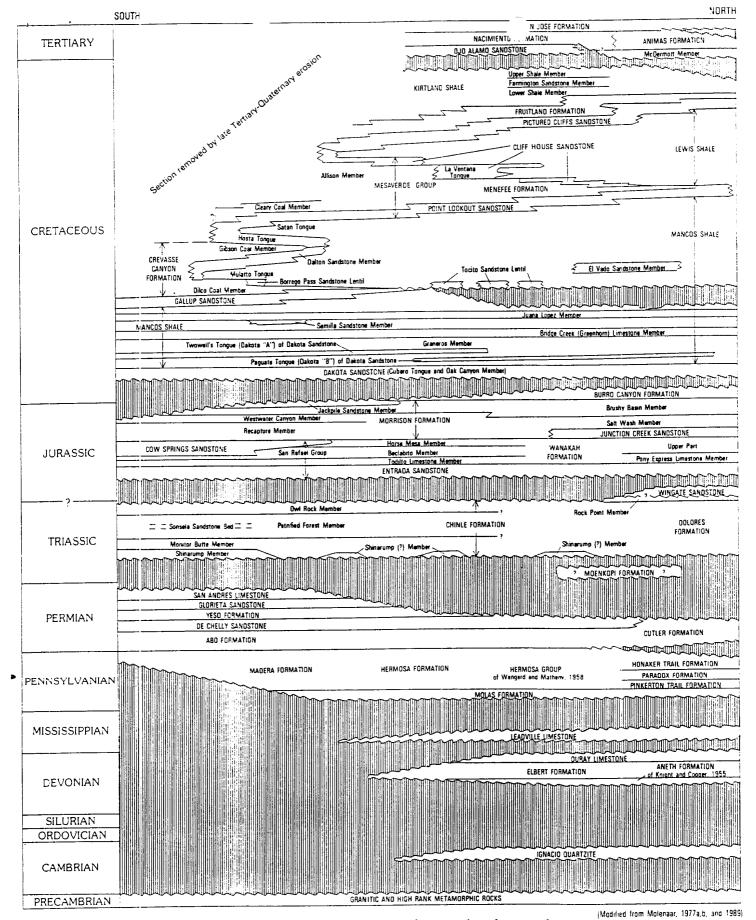


Figure 3. Time- and rock-stratigraphic framework and nomenclature.

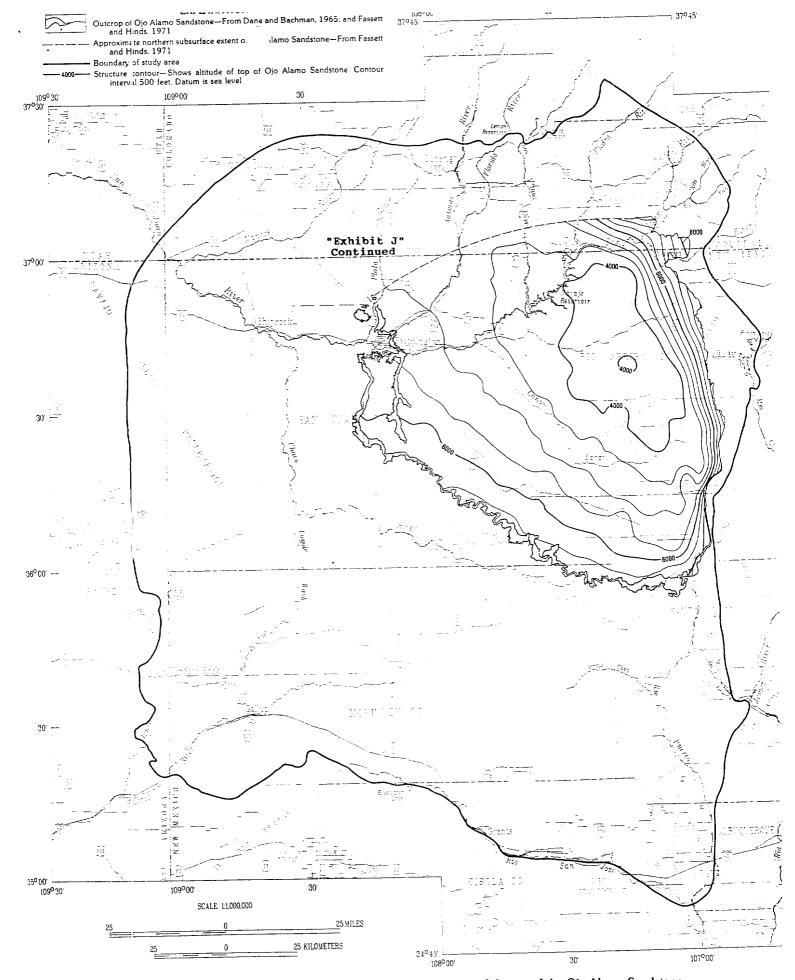


Figure 6. Approximate altitude and configuration of the top of the Ojo Alamo Sandstone.



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

#### 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

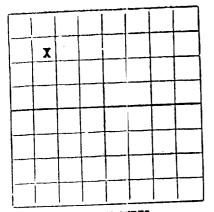
WILLIAM J. LEMAY, Director

SEAL

# NEW MEXICO OIL CONSERVATION COMMISSION

# WELL LOCATION AND ACREAGE DEDICATION PLAT

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# NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

# WELL RECORD

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 5 Copies

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Form C-107 kevised 10-1-78

# HEW MEXICO

# P. O. BOX 2048

SANTA FE, NEW MEXICO 87501

JINERALS DEPARTMENT All distances must be from the cuter houndaries of the Section. Well No. Legse retor 1E TENNECO OIL COMPANY LLEN nAn Range County Township San Juan 29N 12W ctual Footage Location of Wells feet from the South line and 1450 feet from the Dedicated Acreage: Pool round Level Elev: Producing Formation Basin Dakota プラッシュー<del>320</del>-Acres 5831 Dakota 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Communitized 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 interests, has been approved by the Commission. CERTIFICATION FEE I hereby certify that the information contained herein is true and complete to the Tenneco 100% OIL CON. DIV. 0 Nom Scott McKinney Sr. Regulatory Analyst RECEIVED Tenneco Oil Co JAN 1141985 Sec. January 10, 1985 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA I hereby certify that the well location SF-065557A shown on this plat was plotted from field Tenneco - 79% nates of actual surveys made by me or Amax my supervision, and that the same true and correct to the best of my owledge and belief. Date Surve

3950

Scald: 14:10:01

Open tool & circ.  4/01/85 Cmt 2nd stage w/20 bbl mud flush 500 sx 65/35 6% ge w/100 sx "B" 1/4# cello seal. Drop bomb open tool & circ. mud flush 200 sx 65/35 6% gel 1/4# cello seal. Plug dn 1:30 excess cemt. Rig release @3:30 pm 4/1/85  18. I bereby certify that the foregoing is gray and correct signed with the foregoing is gray and correct	APR 15 1365  CIL COLL APR 1 985  CIL COLL APR 1 985  ACCEPTED FOR RECORD  APR 1 2 1985
4/01/85 Cmt 2nd stage w/20 bbl mud flush 500 sx 65/35 6% get w/100 sx "B" 1/4# cello seal. Drop bomb open tool & circ. mud flush 200 sx 65/35 6% gel 1/4# cello seal. Plug dn 1:30 excess cemt. Rig release 03:30 pm 4/1/85	APR 15 1335  CIL CO J.V.  DIST. 3  April 4, 1985  ACCEPTED FOR RECORD
4/01/85 Cmt 2nd stage w/20 bbl mud flush 500 sx 65/35 6% get w/100 sx "B" 1/4# cello seal. Drop bomb open tool & circ. mud flush 200 sx 65/35 6% gel 1/4# cello seal. Plug dn 1:30 excess cemt. Rig release @3:30 pm 4/1/85	APR 15 1365  CIL CUI IV.  DIST. 3  nalyst DATE April 4, 1985
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4/01/85 Cmt 2nd stage w/20 bbl mud flush 500 sx 65/35 6% ge w/100 sx "B" 1/4# cello seal. Drop bomb open tool & circ. mud flush 200 sx 65/35 6% gel 1/4# cello seal. Plug dn 1:30	D pm 4/1/85 Circ 2 bb1
3/31/85 RU run 163 jts, 5 1/2" 17# N-80 LT&C, total w/tools 1st stage w/20 bbls mud flush, 120 sx 221 CF 65-35 POZ 6% ge tailed w/100 sx 118 CF "B" w/ 1/4 #/sx cello-flake. Plug or	1 4:15 am 4/1/85. Drop bomb
3/22/85 MIRU w/Four Corners rig #7. Spud 12 1/4" surface 1 TOOH RU & run 7 jts, 8 5/8 32# K-55 STC csg. Total 303 w/to Western & cmt w/15 bb1 H2), 274 sx (325CF), "B" w/1/4 #/sx cdn 3:30 pm 3/22/85. Circ 15 bb1 excess cmt. WOC NUBOP test 1000 psi ok. TIH tag cmt @287, drill plug & cmt to 5' end or rams to 1000 psi ok. Drill ahead.	ello-flake + 2% CaCl, plug blind rams & manifold to if shoe, test csg & pipe
(Other)  17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent details.	
Nors: Report res	ults of multiple completion on Well completion Report and Log form.) stes, including estimated date of starting any
BROOT OR ACIDIZE ABANDON*	ress report
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT	ALTERING CARING
NOTICE OF INTENTION TO:	INQUENT REPORT OF:
30-045-26214   Check Appropriate Box To Indicate Nature of Notice, Report, o	r Other Data
14. PERHIT NO. 15. BLEVATIONS (Show whether DF, ET, GR. etc.)	San Juan NM
로부지점 시계조 <u>1984년 대 전</u>	SEC. 1, T29N, R12W
1450' FSL, 790' FWL	Basin Dakota 11. abc., T., a., M., OR BLX. AND SUBVEY OR ABMA
P.O. Box 3249, Englewood, CO 80155  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  Bee also space 17 below)	10. FIELD AND POOL, OR WILDCAT
. ADDRESS OF OPERATOR	9. WELL NO.
Tenneco Oil Company	Allen A
OIL GAS WELL OTHER	S. PARM OR LEASE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different peservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	7. UNIT AGREEMENT NAME
	SF-065557A  G. IF INDIAN, ALLOTTEE OR TAIRE NAME
9-331) DEPARTMENT O THE INTERIOR (Other later decide)  BUREAU OF LAND MANAGEMENT	J. LEASE DESIGNATION AND SEELAL NO.

GAS								
OP'ERATOR	<u> </u>							
PROBATION OFFICE				<del></del>				
Tenneco Oil Compan	y),							
D O Roy 3210 Fn	nlawood CO 901E	= <del></del>						
P. O. Box 3249, En		<u>.                                    </u>	i De	her (Please	explain			
lew Well	Change in Transpo	rter of:		10 10200				
Recompletion	Oil [	Dry Go	🔲			•		
Change in Ownership	Casinghead Gas	Conde	nsate 📗					
change of ownership give name id address of previous owner					,			
ESCRIPTION OF WELL AND	LEASE   Well No.; Pool Nor	ne lectudine F	ormation		Kind of Leas		<del></del>	
Allen A	1	Basin Dak			State, Federa	USA	Lease No.	
ocation		Jas III Dak	<u> </u>			SF_	<u> 1 065557A</u>	
Unit Letter L : 14	150 Feet From The	SouthLin	se and7	790	_ Feet From '	rh• <u>West</u>		
Line of Section 1 T	ownship 29N	Range	12W	, ММРМ,	<u> </u>	San Juan	County	
ESIGNATION OF TRANSPOI  Vame of Authorized Transporter of C		<del></del>		ve address t	o which appro	ved copy of this form is	to be sent?	
Gary Energy Corp.			1			Englewood, CO	•	
cme of Authorized Transporter of C	asinghaad Gas or Dr	y Gas X	Address (Gir	ve address s	o which appro	red copy of this form is	to be sent)	
El Paso Natural Gas	Company		! Р. О. В	lox 4990	), Farmin	gton, NM 87499	-	
well produces oil or liquids,	Unit Sec. Twi	•	is gas actua	lly connecte	d? Who	Pn		
ive location of tanks.	; L ; 1 ; 2	29N ; 12W	<u> </u>	10	! 	ASAP		
this production is commingled w	rith that from any other J	ease or pool,	give comming	gling order	number:			
OMPLETION DATA	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back   Same Re	rv. Dill. Res'v	
Designate Type of Complet	ion = (X)	X	x		1			
ate Spudded	Date Compl. Ready to P		Total Depth			P.B.T.D.		
3-22-85	4-21-85		662			6619' K	В	
evations (DF, RKB, RT, GR, etc.)		notion	Top Cil/Gas	Pay 25' KB		Tubing Depth		
5831' GL	<del></del>	Dakota				6559 KB		
erformitions 2 JSPF 43', 6425-36', 6502-28'.	86 holes	•*				6622' KB		
<u> </u>		CASING, AND	CEMENTIN	G RECORI	<u> </u>	1	<del></del>	
HOLE SIZE	CASING & TUBI			DEPTH SE		SACKS CE	AENT	
12 1/4"	8 5/8" csg		<del></del>	8' KB		275 sx 325 C	F	
7 7/8"	5 1/2" csg		662	2 ' KB		1320 sx 1745		
	7 3/-	<del></del>	1 75	~		+	<del></del>	
PAT BATE 4118 BEARITON S	2 3/8	<b>.</b>	65 <u>5</u>			<u> </u>		
EST DATA AND REQUEST F IL WELL	OR ALLUMABLE (	Test must be aj able for this de	pth or be for fu	ill 24 hows,	l	and must be equal to or	exceed top allow	
ate First New Oil Run To Tanks	Date of Test		Producing Me	thod (Flow	pump, gas (i)	i, etc.)	<del></del>	
			<u> </u>			WEID		
ength of Test	Tubing Pressure		Casing Press	// [m		Choke Size	· · · · · · · · · · · · · · · · · · ·	
ctual Prod. During Test	Oil-Bble.		Water - Bbls.	- <del>-                                  </del>	MAY 02 1	Già - MCF	<del></del>	
•	-	•		~			<b>:</b> -	
			<del></del>	OIL	CON.	DIV.	· · · · · · · · · · · · · · · · · · ·	
AS WELL	·	٠.	<del></del>		DIST. 3			
ctual Prod. Teet-MCF/D	Length of Test		Bbls. Conden	ede/MMCF	-	Gravity of Condensate		
1936 enting Method (pitot, back pr.)	3 hrs		-	A ==	<del>, , , , , , , , , , , , , , , , , , , </del>			
back pressure	Tubing Pressure (Shat-	ا هد	Casing Press	•	la)	Choke Size		
ERTIFICATE OF COMPLIAN			1	325		3//	,	
SELECTION OF COMPLIAN	CE		6-12-8	OIL C	ONSERVA	TION COMMISSIO		
nereby certify that the rules and	regulations of the Oil C	onservation	APPROVI	-		JUN 1 2 1985	) 1 <b>9</b> _	
mmission have been compiled	with and that the inform	nation given			riginal Ci			
ove is true and complete to th	e best of my knowledge	and belief.	BY		mymor signe	d by FRANK T. CHAY		

# NEW MEXICO OIL CONSERVATION COMMISSION

### Well Location and Acreage Dedication Plat

TION A.		*			`	Young	Date_	July 27	1961
erator		Oil and Gas	Company		Lease				
ell No1	<u>D</u> Unit		Section .	5	Townsh	29N	<del></del>	Range .	12¥ NMPA
cated 990		Feet From	North:	Li	ine,	<del>/9</del> 0	. Feet Fron		st Lin
ountySan			. G. L. Eleva <b>Dakota</b>		•7	Dedicated A	Acreage Besi		9.94 Acre
ime of Produc	ing Form	ation		·	i	Pool		<b>44</b>	<del> </del>
Is the Opera	itor the o	nly owner* in	the dedicate	d acreage of	utlined on	the plat be	low? Yes	X	No 3
If the answ	er to que	stion One is	'No." have	the interests	of all the	owners b	en conso	idated by	communication
agreement	or othery	ise? Yes	No No	If answ	er is "Yes	Type of	Consolida	ion -	
Charles JA	<b>元学等的</b>					A- 46			
-If the onsw	er to que	stion Two is	15 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10	17500				2.12	
		OWNER	ito, ust di		in Charle	respective	LAND DES	Sale of the	
						مهر بروا المراجدية. مهرو بياها متوانيدا		-/oF	TIVEN THE
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CTION B.								TOILE	ON LEGIN /
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9	90								above is true and
				V.			edge and	belief.	est of my knowl
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		/							Cas Company
	4		1 2 2 2		1400.74	<b>*</b> * *	RIGINAL ST	CNEL TY	0. C 50.40 Y
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# NEW MEXICO OIL CONSERVATION COMMISSION

	OI	DEME A	AHOH	COMMISSION
Santa	Fe,	New	Mexico	

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### WELL RECORD

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 Copie.

AREA 640 ACRES

Sea   Dekota   Pool,   Sea   Juan	is 990 feet from North line and 990 feet from North  ction 2 If State Land the Oil and Gas Lease No. is 100 feet from 100 feet from 100 feet		-D	161	1/ of U	4 of 8cc 2	Т	291	R	12W	NMPN
1   990   feet from   North   line and   990   feet from   North   line   feet from   North   line and   990   feet from   North   line and   6913/61   line of Drilling Company   line   feet   fe	1   990	1 No									
Il State Land the Oil and Cas Lesse No. Is.    Summit Drilling Company	It State Land the Oil and Gas Lease No.   Land   S/1/61   19   Drilling Was Completed   S/13/61   19   Drilling Commenced   S/13/61   19   Drilling Was Completed   S/13/61   19   It state Land the Oil and Gas Lease No.   Land   S/13/61   19   It state Land the Oil and Gas Lease No.   Land   S/13/61   19   It state Land   S/13/61   19   It state Land   S/13/61   It state Land		······································		North	. 11	990	inat in		West	1;,
ling Commenced 8/1/61  19 Drilling was Completed 8/13/61  10 of Drilling Contractor. Summit Drilling Company  10 press.  10 Box # 190, Farmington, New Mexico  11 promo-confidential 19  OIL SANDS OR ZONES  1. from 6446 6456 No. 4, from 10  2. from 6521 to 6546 No. 5, from 10  3. from 6609 6644 No. 6, from 10  IMPORTANT WATER SANDS  1. from 10  IMPORTANT WATER SANDS  1. from 10  CASING RECORD  CASING RECORD  CASING RECORD  SIZE WEIGHT NEW OR 1662 AMOUNT SIND OF CUT AND FERFORATIONS FURFORS 11/2 11.66 Days 11/62 1	ling Commenced 8/1/61 19 Drilling was Completed 6/13/61 19 Drilling Commenced 8/16/13/61 19 Drilling Company Box # 190, Farmington, New Mexico Parmington Parmington, New Mexico Parmington										
Bussel Drilling Contractor  Bussel 190, Farmington, New Mexico  Vation above sea level at Top of Tubing Head G.Le - 5847  The information given is to be kept confidentifunction pron-confidential  OIL SANDS OR ZONES  1, from 6446  10 6456  No. 4, from to  2, from 6521  3, from 6609  10 6644  No. 6, from to  IMPORTANT WATER SANDS  Used data on rate of water inflow and elevation to which water rose in hole.  1, from 6440  Coasing record  Size Westort New OR Amount Rind of Full Pron Perforations Furrose  1, from 10 feet.  4, from 10 Feet.  1, from 10 Sept 1169  Size Vestort New OR Amount Rind of Full Pron Perforations Furrose  1, 1/2 11.6 Deny 1169  MUDDING AND CEMENTING RECORD  SEP 7 19	Bunnit Drilling Company  Box # 190, Farmington, New Mexico  ration above sea level at Top of Tubing Head G.L 5847  The information given is to be kept confidential unon-confidential  1, 19  OIL SANDS OR ZONES  1, 1 from 6446  1, 1 from 6521  2, 1 from 6521  3, 1 from 66609  10 66444  No. 5, 1 from 10  IMPORTANT WATER SANDS  IMPORTANT WATER SANDS  INCOMPANY WATER	ection	Ş	If St	ate Land the Oil and	d Gas Lease No. 11		8/13/	'K1		
Box # 190, Farmington, New Mexico  vation above sea level at Top of Tubing Head G-Lio = 5847 The information given is to be kept confidential non-confidential 19 The information given is to be kept confidential non-confidential 19 The information given is to be kept confidential non-confidential 19 The information given is to be kept confidential non-confidential 19 The information given is to be kept confidential non-confidential non-confident	DOX # 190, Farmington, New Mexico  Vation above sea level at Top of Tubing Head G.L 5847  The information given is to be kept confidential unon-confidential  OIL SANDS OR ZONES  OIL SANDS OR ZONES  1, from 6446  6456  No. 4, from to 5546  No. 5, from to 6609  IMPORTANT WATER SANDS  IMPORTANT WATER SANDS  Information given is to be kept confidential unon-confidential	lling Com	menced	71101		19 Drilling	was Completed.				, 19
The information given is to be kept confidential   19   19   19   19   19   19   19   1	No.   Sect.	ne of Dril	ling Contract	or Bummi	t Drilling Co	and the second			••••••		•••••••
OIL SANDS OR ZONES  1, from 6446 to 6456 No. 4, from to 6521 to 6546 No. 5, from to 6521 to 6544 No. 6, from to 6609 to 6644 No. 6, from 6600 to 6600	OIL SANDS OR ZONES  1, from 6446 to 6456 No. 4, from to 10  2, from 6521 to 6546 No. 5, from to 10  3, from 6609 to 6644 No. 6, from to 10  IMPORTANT WATER SANDS  Clude data on rate of water inflow and elevation to which water rose in hole.  1, from to feet 10  2, from to feet 10  3, from to feet 10  CABING BECORD  SIZE FER FOOT USEN AMOUNT END FULL DIFFOM FER FORATIONS FURFORE 10  3 5/8 24 DEW 294 1169 FULL DIFFOM FER FORATIONS FURFORE 1169 1169 1169 1169 1169 1169 1169 116	dress.,		Box #	190, Farming	ton, new Me	xico			***************************************	
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1, from   6446   6456   No. 4, from   to   6521   to   6544   No. 5, from   to   6609   to   6644   No. 6, from   to   6600   6644   No. 6, from   to   6600   6	1, from 6446 to 6456 No. 4, from to 6521 to 6546 No. 5, from to 7546 No. 5, from to 7546 No. 5, from to 7546 No. 6609 to 66441 No. 6, from to 7546 No. 6, from 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.				OII	L SANDS OR ZO	NES				
2, from   6521   10   6546   No. 5, from   10   10   10   10   10   10   10   1	2, from   6521   10   6546   No. 5, from   10		6446						to		
IMPORTANT WATER SANDS  clude data on rate of water inflow and elevation to which water rose in hole.  1, from to feet.  2, from to feet.  3, from to feet.  4, from to feet.  CABING RECORD  CABING RECORD  CABING RECORD  CABING RECORD  SIZE WEIGHT NEW OR AMOUNT SHOE FULLED FROM PERFORATIONS FURFORE 1/2 11.6 Dev 294  4.1/2 11.6 Dev 294  4.1/2 9,5 Dev 5566  4.1/2 9,5 Dev 5566  CABING RECORD  SEP 7 19	10   10   10   10   10   10   10   10	. 1, from		tr	65 <b>4</b> 6	110. T <sub>3</sub>		*****************			•••••••
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CABING RECORD   CABING RECORD   CUT AND   FERFORATIONS   FURPOSE   SIZE   FERFOOT   USED   AMOUNT   SHOE   FULLED FROM   PERFORATIONS   FURPOSE   CUT AND   FURPOSE	CASING RECORD  CASING RECORD  CASING RECORD  CASING RECORD  CUT AND PERFORATIONS FURFORE  SIZE FERFOOT USED AMOUNT SHOE PULLED FROM PERFORATIONS FURFORE  3 5/8 24 Dew 294  4 1/2 11.6 Dew 1162  4 1/2 9.5 Dew 5566  2 3/8 4.7 Dew 5566  MUDDING AND CEMENTING RECORD  SEP 7 1961  SIZE OF CASING SET NO. SACKS OF CEMENT USED CRAVITY MUDGING STORY OF										
CASING RECORD    SIZE   WEIGHT   NEW OR USED   AMOUNT   SIND OF CUT AND PERFORATIONS   PURPOSE	CABING RECORD     COT AND   PERFORATIONS   PURPOSE   SIZE   PER FOOT   USED   AMOUNT   SHOE   PULLED FROM   PERFORATIONS   PURPOSE   STATE										
CASING RECORD  SIZE WEIGHT NEW OR AMOUNT SHOE PULLED FROM PERFORATIONS PURPOSE  5 /8 24 DAW 294  4 1/2 11.6 DAW 1162  4 1/2 9.5 DAW 5566  2 3/8 4.7 DAW 6426  MUDDING AND CEMENTING BECORD  SEP 7 19	SIZE										
### SIZE   WEIGHT   NEW OR USED   AMOUNT   EIND OF CUT AND PULLED FROM PERFORATIONS   PURPOSE	WEIGHT   NEW OR   AMOUNT   SHOE   PULLED FROM   PERFORATIONS   PURPOSE	. 4, from	••••••		to			eet	•		•••••
### SIZE   WEIGHT   NEW OR USED   AMOUNT   EIND OF CUT AND PULLED FROM PERFORATIONS   PURPOSE	WEIGHT   NEW OR   AMOUNT   SHOE   PULLED FROM   PERFORATIONS   PURPOSE					CASING RECOR	'n				
8 5/8 24 DEW 294 4 1/2 11.6 DEW 1169 4 1/2 9.5 DEW 5566 2 3/8 4.7 DEW 6426  MUDDING AND CEMENTING BECORD  SEP 7 19	1/2   11.6   DEW   1169								<del></del>	1	
4 1/2 11.6 pmv 1162 4 1/2 9.5 psv 5566 2 3/8 4.7 psv 6426 SEP 7 19	1/2   11.6   DAW   1162	812E	PERFO		AMOUNT		PULLED FROM	PERFORA	TIONS	PURP	OSE
MUDDING AND CEMENTING RECORD  SEP 7 19  SIZE OF SIZE OF WHERE NO. SACKS METHOD NUD OLANGENT OF	# 1/2 9.5 new 5566   SEP 7 1961   SEP 7 1961	3 5/8		<del></del>							
MUDDING AND CEMENTING BECORD  SEP 7 19  SIZE OF SIZE OF WHERE NO. SACKS METHOD MUD OILANGENT OF	### MUDDING AND CEMENTING BECORD    SIZE OF   SIZE OF   WHERE   NO. SACKS   METHOD   WIDD   ORAVITY   OF CEMENT   USED   ORAVITY   ORAVITY   MUDDING STEED	1/2		1						4 1 1 1 1	1 94 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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# NEW FIEXICO OIL CONSERVATION COMMISSION Well Location and Acreage Dedication Plat

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# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fc, New Mexico

# WELL RECORD

Mail to Directice 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 Convenience Submit in OUINTUPLICATE

If State Land submit 6 Copie.

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Depth Cleaned Out.....

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#### $N^{-\gamma}$ MEXICO OIL CONSERVATI

Santa Fe, New Mex

COMMISSION (Form C-194)
Revised 7/1/57

#### REQUEST FOR (OIL) - (GAS) ALLOWAPLE

WITHIN 1/2 MILL

New Weit 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.

		(Lease)  T. 298 , R. 128 , NMPM., Sector Dakots	
Ind Latter			
		County. Date Spudded. 3-11-63 Date Drilling Completed 3-23-64  Elevation 5865 Ground Total Depth 6689 PBTD 6552	₹
Please indicate	location:	Top Oil/Gas Pay 6432 Name of Prod. Form. Dakota	
CI	A A	PRODUCING INTERVAL	-
		Perforations 6432-6440; 6452-6456; 6504-6524	
F	H	Perforations  Depth  Open Hole  Casing Shoe  Tubing	
		OIL WELL TEST -	Inok
K	I I	Natural Prod. Test: bbls.oil, bbls water in hrs, min. S.	iize
	7	Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume	ne c
N (	P	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	<u>"</u>
(FOOTAGE)		Natural Prod. Test: 1793 MCF/Day; Hours flowed Choke Size 3/4	
ng ,Casing and C	ementing Rec	cord Method of Testing (pitot, back pressure, etc.):	
ng ,Casing and C	ementing Rec	MCF/Day; Hours flowed	
ng Casing and C	ementing Rec	Method of Testing (pitot, back pressure, etc.):  Test After Acid or Fracture Treatment:  Choke Size  Method of Testing:	
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ng ,Casing and C Sire Feet  5/8" 307"  6688  3/8" 6429  arks:  I hereby certify roved	250 that the ir	Test After Acid or Fracture Treatment: MCF/Day; Hours flowed  Choke SizeMethod of Testing:	1./
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#### NEW MEXICO OIL CONSERVATION COMMISSION

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Santa Fe, New Mexico

#### WELL RECORD

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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 Copies

ARKA 840 ACRES LOCATE WELL CORRECTLY. Aztec 011 & Cas Company MODRATE "A" 1/4 of 58 1/4, of Sec. **29N** ...., NМРМ. Besin Dakota Sen Juan Well is 1720 feet from South 990 feet from Past .... If State Land the Oil and Gas Lesse No. is.... Patented Drilling Commenced 3-14 , 19 64 Drilling was Completed 3-29 19 64 Arapahoe Elevation above sea level at Top of Tubing Head... \_\_\_\_\_\_\_ 19\_\_\_\_\_\_ OIL SANDS OR ZONES No. 1, from 6432 to 6440 6456 .. No. 5, from.... No. 3, from 6504 6524 No. 6, from.... IMPORTANT WATER SANDS Include data on rate of water inflow and elevation to which water rose in hole. feet CASING RECORD WEIGHT NEW OR SIZE CUT AND AMOUNT PERFORATIONS PURPOSE 0.5/8" إبلو 9 1ts. 4 1/2" 9.5 4 11 213 1te MUDDING AND CEMENTING RECORD WHERE SET SIZE OF HOLE NO. SACES OF CEMENT METHOD 7.7/8 6688 4 1/8 500 mache PR 1 5 1964 RECORD OF PRODUCTION AND STIMULATION OIL CON. COM DIST. 3 (Record the Process used, No. of Qts. or Gals. used, interval treated or shot.) Freet well-with 62,070 gals treated wtry 60,000 # 20-10-sd; 30,000 # 10-20 send Result of Freduction Stimulation. No. ED pressure; Mars. press. 300041 Kinimum pressure 20004; Average treating pressure 3100%; AIR 41.5 RPM; ISIP 1200%; SI 5 min. 800% Flushed w/ 1500 gals wir trested w/15 cacl2 & 20#/ Depth Cleaned Out 65524 1000 gale WACS

# ... MEXICO OIL CONSERVATION C' (SSION

### WELL LOCATION AND ACREAGE DEDICATION PLAT

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ATION OFFICE										
A70#					ECTIO	N A			Well No	
rator					case CORNE	IL ME DAK	COTA GAB	UNIT "C"		1
NNECO OIL	COMPANY		Township		Rang	e	County			
t Letter	Section 11		29 No	rth		12 West	San	Juan		
uai Footage L	ocation of	Well:		., ,	990	fee	t from the	West	line	
990	feet from	the NO	rth	line and	Pool				Dedicated Act	eage:
ound Level Ele 61 ungrade	• 1	iucing Fo	tota.			Basin Dak				
Is the Operator who has the reanother. (65). If the answer wise? YES If the answer wher	ight to dril -3-29 (e) to question	NMSA 193	'no,'' have t	he interests	of all the	owners been	consolidated	d by communi	A PRICE	961'
							<u> </u>		7,51.	3
			SECT	ION B					CERTIFICA	TION
<del>~</del> 990' -	.088		<del></del> ·		<del></del>			Position  Comparation	the best of my	Ingineer  Ingineer  1961
		Se	etion		11			shown plotted survey superv and co	on the plat in if from field no is made by me rision, and that precent to the bestief.	or under my t the same is tru est of my knowle
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CIL COTT	

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

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY Tenneco Corp., Company agent, Tenneco	acting by & tl	ייינו ו	its manag	ring P. O. Box 1	714. Dur	ango, Colorado
Lessor or Tract Cornell Dek	oto Coe Imit	יין ויין דיין דין ויין דיין	Till T	esin Dekota	Stata	New Mexico
Well No Sec T						
ocation 990_ ft. [S.] of .N.	_ Line and _290 f	t x #	.} of <b>W</b> L	ine ofSect	ion_ii	(Derrick floor relative to sea serve)
The information given here of ar as can be determined from	om ail avallable re	cora	nd correct ( s. d	H M T.		L. B. Plumb
Date January 23, 1962				TitleDi	st_Prod	luction Supt
The summary on this pag	e is for the condit	ion o	f the well a	t above date.		
Commenced drilling Decem	<u>ber 6,</u> 1	9. <b>61</b>	. Finished	drillingI	ecember	27, 19.61.
No. 1, from 2000 100 100 100 100 100 100 100 100 10	0 3000 xxxxx 0 1000 xxxxx 0 1000 xxxxxx	iorat Jorda 10 Jo	No. 5; f	tom: 57 9:40 100m - 57 9:40 53 5, 53 30 4	erior de	2
No. 2, from 2002.	CA	SINC	No. 4; f	Cut and pulled from	Perío From-	rated Purpose
No. 2, from  Bixe Weight Threads per casing per foot inch	CA	SINC	No. 4; f	Cut and pulled from	Perío From-	rated Purpose
No. 2, from	CA	SINC	No. 4; f	Cut and pulled from	Perío From-	rated Purpose
Stre   Weight   Threads per leading   per foot   lineh	Make Amount	astory n. 11 sia2	No. 4, find of shoe	Pricase state in the made in the made in the made in the man is done of the man is done o	Perío From-	rated Purpose
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Bus Weight Threads per casing per foot Inch  25/Bt 125042 of out of a cold to a cold t	Make Amount  In CA Test 12 life for the first successful to the first successf	SINC D C	RECORI	Rease State in the seen dynamics d. seen d. seen dynamics d. seen d	ire date, six  Lou  Lou  Lou  Lou  Lou  Lou  Lou  Lo	rated Purpose  To—  of brainbut Barringes  bosinor and named a coduct  class and product
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#### Well Location and Acreage Dedication Plat

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San Jua	n G.	t. Elevation	Pod	Basin Dal	cota	
of Producing Fo	rmation			Basin Dal	• •	v
he Operator th	e only owner* in the	dedicated acreag	e outlined on the	e plat below? Yes		🟊
he answer to	question One is INC	if o	newer is "Yes."	Type of Consolidation	on communit	ization
eement or oth	erwise? Yes	No	2004 200 200 200 200 200 200 200 200 200			
ik ali i kapanan kan sa sa sa Maranan kan sa		100 mg 100 100 100 100 100 100 100 100 100 10		Type of Consolidation  Espective interests being open of the consolidation of the consolidati		
the answer to	question Two is "No	," list all the ow	ners and their r	espective interests b	elow.	
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Form approved. Budget Bureau No. 42-R355.4 U. S. LAND OFFICE JAMM PE Form 9-330 SERIAL NUMBER 377922 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 CAS COMPANY Address . C. DRAWER 570-FARMINITOR, H. MEX. Field FASTE DAKOTA State KW MEXICO Lessor or Tract McGRATH Well No. C-1 Sec. 34 T. 30N R. 124 Meridian H.M.P.M. County SAN JUAN Location 870 ft. [N.] of 3. Line and 1190ft. W.] of B. Line of SECTION 34. Elevation 5771 g. 1. 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 JOE C. SALMER Tible DISTRICT SUPERIMENDERT The summary on this page is for the condition of the well at above date. Commenced drilling Finished drilling Finished drilling 19.63 OIL OR GAS SANDS OR ZONES (Denote gas by G) No. 4, from \_\_\_\_\_ to \_\_\_\_ No. 1, from 6387 to 6100 6 No. 5, from ..... to ..... No. 2, from 6462 to 6484 0 No. 6, from \_\_\_\_\_ to \_\_\_\_ No. 3, from ...6512 to ...6576 ... IMPORTANT WATER SANDS No. 3, from \_\_\_\_\_ to \_\_\_\_ No. 1, from ..... to ..... No. 4, from \_\_\_\_\_ to \_\_\_\_ No. 2, from ..... to ..... CASING RECORD Threads per inch Kind of shoe Cut and pulled from Amount casing put in to lest for weier, fraie itrid of mpterial ased, position. 4 1/2 MUDDING AND CEMENTING RECORD Amount of mud used Mud gravity Method used Size Where set Number sacks of cement Displacement

5/8 + 1/2 יסרם

PLUGS AND ADAPTERS

Two Plug

Heaving plug-Material

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925

Length ..... Depth set .....

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.4 . 1983) .y 9-330)	DEPARTME BUREAL	OF LAND	THE	GEMEN	ERIOR T		DUPLICAT (See oth struction reverse	ner In- ne on solet	Expires FEASE DESI SF-0	Burent Augus NATIO	u No. 1004-0137 st 31, 1985
WELL COM	APLETION OR	RECOM	PLETIC	ON RE	EPORT A	NE	LOG	* "	. OF ISHIAN.	21.1	The University of the Control of the
h. TYPE OF WELL	001. WE6.3.	**** X	DR.	, D (a)	ulier A	3 - 27 -	73		UNIT AGREE	MENT	NAME
5 K.W.	WORK DEN []	mark [	pier m.svi	. 🗀 🧓	FEB 2	 	_:		Duff Ga		
Amoco Prod	duction Comp	any	<del></del>	- c	IL COI				), WELL NO.		
501 Airpor	t Drive, Farn	nington,	NW 8	7401	N.EUS	-3	ΊV F		Basin D	akot	ia
At surface 1	770' FNL × 1	180' FEL		-	FEB	_ 11	. <b></b> L 1935		IL HEC. T. R UK AREA	., צ., 0	K BINCK AND BURYEY
	_			Bur	REAU OF L			EMENT	SW/NE S	Sec.	34, T30N, R12
At total depth	Same		14. FER	MIT SU.			HAY EB CF		12. COUNTY O	R	13. STATE
	16. DATE T.D. REACHE		CONFI (	Peady to	 arad.)   14		ATIONS (OF	. BKB. ST	San Jua	19.	LEV. CASINGHEAD
5. DATE SPUDDED		1	:				5785'-K	В			5772' GR
- 11/20/84-1	TVD   21. PLUG. BAG	K T.D., MD A T	1/7/8 n   22.	TE MULT	IPLE COMPL.		23. INTER	TALR .ED RY	ROTARY TOO	1.86	CABLE TOOLS
6608'	AL(S). OF THIS COMP	LETION— TOP.	BOTTOM.	sinc	מוי		<u> </u>	<u> </u>	O-TD	25	S. WAR DIRECTIONAL SURVEY MADE
	576' Dakota										Yes
					•		<del></del>			27. ₩	AS WELL CORED
6. TYPE ELECTRIC AP	-FDC-CNL-GF	· ·		·					}		No
3.		CASIN			ert all strings	oet i	e well)	ENTING R	ECORD		AMOUNT PULLED
CASING NIZE	WEIGHT, LS./FT.	316'	(HD)	12-1		79	5 c.f.				
8-5/8"	24#, K-55 10.5#, K-5	.		7-7		St	age 1:	1.03	2 c.f. C	Jass	B 50:50 poz
4-1/2"	10.3#, 10.3	0000				_&_	tailed_	in_wi	th 118_c	سئت	Class B Neat
				<u> </u>		عا	ont01	n_bac	K) UBING REC	ORD	
9.		R RECORD	BACKS CE	MENT"	SCREEN (MI	<u> </u>	812E		EPTH SET ()		PACKER SET (MD)
#12E	TOP (ND) BOT	100 (00)					2-3/8	3"	65751		
									unn general	T 901	JEEZE ETC.
	DED (Interval, size an				DEPTH INT			PRACT	ORE, CEMEN	ND OF	MATERIAL USED
657 <b>\$</b> '-6558',	4 jspf, .50"	; 6410'-	6396',		(6558'-						gel & 25,000#
6424'-6420',	6508'-6476',	6520'~b;	010,		10330	<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>	20-4	0 sand_		
2 Jspr, .50	", total of 18	v Holes.			(6396'-	652	0')	70,0	00 gal.	70 c	quality foam E
								90.0	00# 20-4	10 S	and
3.*	1 2222	N METHOD (F	lovoina, a		Ol'CTION	and	type of pun	RP)	WELL	BTAT	us (Producing or
ATE FIRST PRODUCTI	os Problemo	-	ving_							ut-in)	Shut-in
1/30/85	HOURS TESTED	CHOKE SIZE	LEGO.	N. FOR PERIOD	011,		GAS- MO	CF.	WATER-BE	3 L.	GAS-OIL RATIO
1/31/85	3	.75"		<del></del>	GAS-	MCF	168	WATER-	-nst.	OIL	GRAVITY-API (CORR.)
LOW, TUBING PRESE.		CALCULATED 24-HOUR RATE	011	# B1	134		1				
104 psig	397 psig   18 (Sold, used for fuel,	vented, etc.)	1		1 13	7-7			TEST WITH	ESSED	11
											Barnett
TO b											R RECORD
None	e	d attached in	formation	n le comi	lete and cor	ect i	s determin	ied from	all available	recor	ds.
in. I bereor Coring	e that the forexulus and Jinal Signed B			•					ttb isor DA	14	1 1995 274785

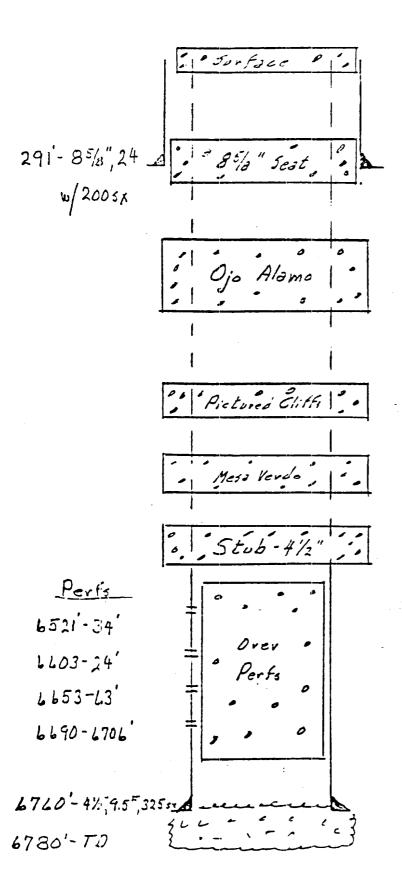
. COMPLETION DATA	•		
	OII Well Cas Well	New Well Workover Deepen	Plug Bock   Same Reer. Dut Re
Designate Type of Complet	: X	X :	1
can loudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D. 6604'
11/20/84	1/7/85	6608'	6604
evelias (DF. RKB. RT. CR. etc.)	Name of Producing Formation	Top OIL/Cas Pay	Tubing Depth
5772' GR	Dakota	6396'	6575'
and constituted.			Depth Coming Shoe
6576-6558' 6410'-639	6', 6424'-6420', 6508'-6476	6520'-6516'	6609'
0378 0330 , 0.1.5	TUBING, CASING, AI	O 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.
	1 2-3/8"	6575	
TEST DATA AND REQUES	25.6 /0" 1.225	efter recovery of total volume of load oil depth or he for full 24 hours	
ete Firet New Oll Run Te Tenks	Date of Test	Producing Method (Flow, pump, gas l	<u> </u>
mgth of Test	Tuhing Pressure	Cosing Pressure	Choto Size
studi Pred, During Test	CU-Bbis-	Water - Bhis.	Geo-MCF
	CU-Bbis-	. Worser-Bala-	Gas-MCF
AS WEIL			
AS WEIL	Leagth of Test 3 hrs.	Bble. Condensers/LACF	
AS WEIL  CTUAL Prod. Tool-MCF/D  / 3 44 124755  exiting increased (pures, back pr.)	Leagth of Tost	Bhis. Contened of Sect	Cravity of Condensate

#### P. O. UOX 2088 S ... A FE, NEW MEXICO 37501

All distances must be from the cuter haunderies of the Section.

			Lease			Well No.
	L & GAS CORP		CARNAHAN Bange	COM		2
etter	Section 35	Township 30N	12W	San	Juan	
ual Footage Loca	<u> </u>					
1090	feet from the	South line on	a 1070	feet from the	East	line
und Level Elev:	Producing F		Pool	- 4 -	32	cated Acreoger
<u>5905                                   </u>	Dakot		Basin Dak			
2. If more th	nan one lease i	cated to the subject  s dedicated to the w  different ownership unitization, force-po	vell, outline each	and identify the	ownership there	of (both as to working
X Yes If answer	No If	answer is "yes," typ	e of consolidatio	n Commun	itized	DIST. 3
Na allawai	hle will be assi	gned to the well until se) or until a non-stan	all interests hav dard unit, elimins	e been consolide	ated (by communists, has been ap	itization, unitization, proved by the Commis-
	<u> </u>	المعطسية الحالان	and an arrangement of the second		c	ERTIFICATION
				Fee	tained herein	fy that the information con- is true and complete to the owledge and belief.
		Sec.	sr 0d8990		Position Operation Compony	
	1	35			shown on thi notes of act under my sup	rify that the well location is plat was platted from field ual surveys made by me or pervision, and that the same correct to the best of my and belief.
		cile: l"=1000	FEE	1070'	1 1 ' ' ' ' ' ' ' '	er I, 1983 dessional Engineer unveyor. 25 Kerr Jr.

, CF NEW ME	EXICO					/1C10N				ol Lease
MINEFALS OF	EPARIMENT	OILC	ONSER	ITAVS	ON DIV	121014		1		Fee
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	01L # ELL	GAS WELL		• •	OTHER		= 1, 1		OF 5-903	
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7 ***	OCEPCH [	NACX	DIFF.	<u> </u>	OTHER	- 344-	21001	West West		
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LINE OF SEC		shed 117 Date	Compl. (Res		xd.)   18. E.	exations (l	DF, RKB, R'	(, GK, etc.)	5905	r. Casninghead GL
te Spunded		7/23	/84				3' KB			
6/15/84	6/24/84	_	100 11	Muittnie	Compl., How	23. Int	ervais , R	otary Toals	!	Cable Tools
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6780' KB	673	5' KB								Was Directional
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6714 - 6529'			Logs	- 					27. Was	Well Cared
pe Electric and Cth IES Inductio		ated Densit	y Logs	50 (Page	et all strings	set in well	1)			0
	er Logs Run n, compensa	ated Densit	SING RECO		rr all strings	· ح	EMENTING	RECORD	No	AMOUNT PU
rpe Electric and Cth IES Inductio	n, compensa	cA CA FT. DEPT	SING RECO	HOL	ESIZE	170 cv	EMENTING	RECORD	Class	AMOUNT PU
rpe Electric and Oth IES Inductio CASING SIZE	weight LB./F	CA FT. DEPT J-53 230	SING RECO	HOL:	/4	_170 sx	(350 c)	RECORD  1. ft.)  1. ft.)	Class Class	AMOUNT PU B H 305xy 3
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rpe Electric and Oth IES Industio  CASING SIZE 8-5/8"	weight LB./ft, 24 #/ft, 210.5 #/ft,	CA FT. DEPT J-53 230 , J-55 677	SING RECO	12-1 7-7	/4	-170 sx 400 sx 600 sx 100 sx	(350 c) (488 c) (1236 c) (122 c)	RECORD  u. ft.)  u. ft.)  cu. ft.)  TUBING	Class Class Class Class	AMOUNT PU B H)305xx3 S B B C+A1
rpe Electric and Oth IES Industio  CASING SIZE 8-5/8"	weight LB./F	CA FT. DEPT J-53 230 , J-55 677	SING RECO	12-1 7-7	E SIZE /4 /8"	-170 sx 400 sx 600 sx 100 sx	(350 c) (488 c) (1236 c) (122 c)	RECORD  u. ft.)  u. ft.)  cu. ft.)  TUBING	Class Class Class Class	AMOUNT PU B H)305xx3 S B B C+A1
rpe Electric and Oth IES Inductio  CASING SIZE 8-5/8" 4-1/2"	weight LB./ft, 24 #/ft, 210.5 #/ft,	CA FT. DEPT J-53 230 , J-55 677	SING RECO	12-1 7-7	E SIZE /4 /8"	170 SX 400 SX 600 SX 100 SX	(350 c) (488 c) (1236 c) (122	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTH S  6530	Class Class Class Class Class FECOR	AMOUNT PU B H 305xx 3 S B B RO PACKER:
rpe Electric and Oth IES Inductio  CASING SIZE 8-5/8" 4-1/2"	weight LB./F	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	12-1 7-7	E SIZE  /4  //8"  SCREEN	170 SX 400 SX 600 SX 100 SX	(350 c) (488 c) (1236 c) (122	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTH S  6530  URE, CEME	Class Class Class Class Class RECOF	AMOUNT PU B H)30543 S B B ACKER:
rpe Electric and Oth IES Inductio  CASING SIZE 8-5/8" 4-1/2"	weight LB./F  24 #/ft, C  10.5 =/ft,  LII  TOP	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	HOL: 12-1 7-7	SCREEN	170 SX 400 SX 600 SX 100 SX   30.	(350 c) (488 c) (1236 (122 c) (122 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTH S  6530  JRE, CEME	Class Class Class Class RECOR ET O' KB	AMOUNT PU B H)305xx3 S B B C+A1
rpe Electric and Oth IES Inductio  CASING SIZE 8-5/8" 4-1/2"  SIZE	weight LB./F  24 #/ft, C  10.5 =/ft,  TOP	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	HOL: 12-1 7-7	SCREEN  J2.  DEPTH	170 SX 400 SX 600 SX 100 SX   30.	(350 c) (488 c) (1236 (122 c) (122 c) (127 c) (127 c) (128 c) (129 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality	Class Class Class Class GRECOF ET O' KB NT SQUIND KING FOAM	AMOUNT PU B H)30543 S B B ACKER:
rpe Electric and Oth IES Inductio  CASING SIZE 8-5/8" 4-1/2"  SIZE	weight LB./F  24 #/ft, C  10.5 =/ft,  TOP	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	HOL: 12-1 7-7	SCREEN  J2.  DEPTH	170 SX 400 SX 600 SX 100 SX   30.	(350 c) (488 c) (1236 c) (122 c) (122 c) (125 c) (127 c) (128 c) (129	RECORD  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2	Class Class Class Class GRECOF ET O' KB NT SQU NO KING Foam	AMOUNT PU B H)30543 S B B A B A C C C C C C C C C C C C C C C
CASING SIZE 8-5/8" 4-1/2"  SIZE 6529, 6538, 6632, 6700,	weight LB./F  24 #/ft, C  10.5 =/ft,  TOP	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	HOL: 12-1 7-7	SCREEN  J2.  DEPTH	170 SX 400 SX 600 SX 100 SX   30.	(350 c) (488 c) (1236 (122 c) (122 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S	Class Class Class Class RECOFET O' KB NT SQUING FOAM	AMOUNT PU B H 305xx 3 S B RO PACKER:
rpe Electric and Oth IES Inductio  CASING SIZE 8-5/8" 4-1/2"  SIZE	weight LB./F  24 #/ft, C  10.5 =/ft,  TOP	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	HOL: 12-1 7-7	SCREEN  J2.  DEPTH	170 SX 400 SX 600 SX 100 SX   30.	(350 c) (488 c) (1236 (122 c) (122 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S	Class Class Class Class RECOFET O' KB NT SQUING FOAM	AMOUNT PU B H 305xx 3 S B RO PACKER:
CASING SIZE 8-5/8" 4-1/2"  SIZE 6529, 6538, 6632, 6700,	weight LB./F  24 #/ft, C  10.5 =/ft,  TOP	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM	SING RECO	HOL: 12-1 7-7 EMENT	SCREEN  32.  0EPTH 6529	170 SX 400 SX 600 SX 100 SX   30.	(350 c) (488 c) (1236 (122 c) (122 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2	Class Class Class Class RECOFET O' KB NT SQUING FOAM	AMOUNT PU B H 305xx 3 S B RO PACKER:
CASING SIZE 8-5/8" 4-1/2"  SIZE 6529, 6538, 6632, 6700,	WEIGHT LB./F   24 ±/ft, 3   13.5 =/ft,   10.5 =/ft,   10.5 = ft,   1	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM  7, 6620, 66 0, 6714, 12	SING RECO	HOL: 12-1 7-7 EMENT	SCREEN  32.  DEPTH 6529 -	170 SX 400 SX 600 SX 100 SX 30. S ACID, SHO INTERVA 6714'	(350 c) (488 c) (1236 (122 c) (122 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20	Class Class Class Class RECOF ET O' KB NT SQUINO KING FOAM OGEF N2	AMOUNT PU B H 305xx S S B RO PACKER:
CASING SIZE 8-5/8" 4-1/2"  SIZE  Sertoration Record (16529, 6538, 6632, 6700, diameter.	WEIGHT LB./F   24 ±/ft, 3   13.5 =/ft,   10.5 =/ft,   10.5 = ft,   1	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM  7, 6620, 66 0, 6714, 12	SING RECO	HOL: 12-1 7-7 EMENT	SCREEN  32.  DEPTH 6529 -	170 SX 400 SX 600 SX 100 SX 30. S ACID, SHO INTERVA 6714'	(350 c) (488 c) (1236 (122 c) (122 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S	Class Class Class Class RECOF ET O' KB NT SQUINO KING FOAM OGEF N2	AMOUNT PU B H 305xx 3 S B RO PACKER:
CASING SIZE 8-5/8" 4-1/2"  SIZE  Perforation Record (16 6529, 6538, 6632, 6700, diameter.	WEIGHT LB./F   24 = /ft, 3   13.5 = /ft,   10.5 = /ft, 	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12	SING RECO	HOL: 12-1 7-7 EMENT	SCREEN  32.  DEPTH 6529 -	170 SX   400 SX   600 SX   100 SX   30.	(350 c) (488 c) (1236 (122 c) (122 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTH S  6530  JRE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N O 740 S	AMOUNT PU B H) 305 x 3 S B B AA  PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-i
CASING SIZE 8-5/8" 4-1/2"  SIZE  Sertoration Record (16529, 6538, 6632, 6700, diameter.	WEIGHT LB./F   24 ±/5t, 3   10.5 ±	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12	SING RECO	9, 0.32" PROD	SCREEN  J2.  DEPTH 6529 -  DUCTION Ding - Size a	170 SX 400 SX 600 SX 100 SX 30. SM ACID, SHO 6714'	(350 c) (488 c) (1236 (122 c) (122 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water E	Class Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N O 740 S II Sterus ut in	AMOUNT PU  B H) 305 x 3 S B B A PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-L
CASING SIZE 8-5/8" 4-1/2"  SIZE  Perforation Record (16 6529, 6538, 6632, 6700, diameter.	WEIGHT LB./F   24 = /ft, 3   13.5 = /ft,   10.5 = /ft, 	CA FT. DEPT J-53 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowing) Choke Size	SING RECO	9, 0.32" PROD	SCREEN  J2.  DEPTH 6529 -	170 SX 400 SX 600 SX 100 SX 30. SM ACID, SHO 6714'	EMENTING (350 C) (488 C) (1236 (122 C) (122 C) (127 C)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water - B  trace	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O OCF N O O OCF N O O O O O O O O O O O O O O O O O O O	AMOUNT PU B H 30543 S B B AD RO PACKER:  EEZE, ETC.  MATERIAL US  and  (Prod. or Shur-L  Gas-Oil Ratio 37,688
CASING SIZE 8-5/8" 4-1/2"  SIZE  erformion Record (1 6529, 6538, 6632, 6700, diameter.	WEIGHT LB./F   24 ±/ft, 3   110.5 =/ft, 4   110.5 =/ft, 4   110.5 =/ft, 4   110.5 =/ft, 5   110.5 =/ft, 6   110.5	CA FT. DEPT J-58 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowling Choke Size 20/64	SING RECO	PROD	SCREEN  J2.  DEPTH 6529 -  DUCTION Ding - Size a	C   170   SX   400   SX   600   SX   100   SX   130.	(350 c) (488 c) (1236 (122 c) (122 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water - B  trace	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O OCF N O O OCF N O O O O O O O O O O O O O O O O O O O	AMOUNT PU  B H) 305 Y S B B ARO PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-L Gas — Oil Ratio 37,688  Gravity — API (6
CASING SIZE 8-5/8" 4-1/2" SIZE 6529, 6538, 6632, 6700, diameter.	WEIGHT LB./F  124 ±/ft, G  110.5 =/ft,  110.	CA FT. DEPT J-58 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowling Choke Size 20/64	SING RECO	PROD	SCREEN	C   170   SX   400   SX   600   SX   100   SX   130.	(350 c) (488 c) (488 c) (1236 (122 c) (122 c) (125 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  Cu. ft.)  TUBING  DEPTHS  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20    We   Sh  Water - B   trace  Bbl.	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N 20/40 S II Stetus ut in Bbi.	AMOUNT PU  B H) 305 y S B B AD PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-L Gas - Oil Ratio 37,688  Gravity - API (648)
CASING SIZE 8-5/8" 4-1/2"  SIZE  Performion Record (1 6529, 6538, 6632, 6700, diameter.  First Production 7/23/84 For Test 9/3/84 Tubing Press.	WEIGHT LB./F    24 ±/ft, G    10.5 =/ft,	CA FT. DEPT J-58 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowling Choke Size 20/64 Calculated Hour Rate	SING RECO	PROD	SCREEN	C   170   SX   400   SX   600   SX   100   SX   130.	(350 c) (488 c) (488 c) (1236 (122 c) (122 c) (125 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water - B  trace  Test With	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N 20/40 S II Sterus ut in Bbi.	AMOUNT PU  B H) 305 y S B B AD PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-i Gas - Oil Ratio 37,688  Gravity - API (648)
CASING SIZE 8-5/8" 4-1/2"  SIZE  Performion Record (1 6529, 6538, 6632, 6700, diameter.  First Production 7/23/84 For Test 9/3/84 Tubing Press.	WEIGHT LB./F    24 ±/ft, G    10.5 =/ft,	CA FT. DEPT J-58 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowling Choke Size 20/64 Calculated Hour Rate	SING RECO	PROD	SCREEN	C   170   SX   400   SX   600   SX   100   SX   130.	(350 c) (488 c) (488 c) (1236 (122 c) (122 c) (125 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water - B  trace  Test With	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N 20/40 S II Sterus ut in Bbi.	AMOUNT PU  B H) 305 y S B B AD PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-i Gas - Oil Ratio 37,688  Gravity - API (648)
CASING SIZE  8-5/8" 4-1/2"  SIZE  Perforation Record (16 6529, 6538, 6632, 6700, diameter.  First Production 7/23/84  Tof Test  8/3/84  Tubing Press.  850 PSI Disposition of Gus	WEIGHT LB./F    24 ±/ft, G    10.5 =/ft,	CA FT. DEPT J-58 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowling Choke Size 20/64 Calculated Hour Rate	SING RECO	PROD	SCREEN	C   170   SX   400   SX   600   SX   100   SX   130.	(350 c) (488 c) (488 c) (1236 (122 c) (122 c) (125 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water - B  trace  Test With	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N 20/40 S II Stetus ut in Bbi.	AMOUNT PU  B H) 305 y S B B AD PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-i Gas - Oil Ratio 37,688  Gravity - API (648)
CASING SIZE 8-5/8" 4-1/2"  SIZE  Performion Record (1 6529, 6538, 6632, 6700, diameter.  First Production 7/23/84 For Test 9/3/84 Tubing Press.	MEIGHT LB./F    24 ±/ft, G    10.5 =/ft,	CA FT. DEPT J-58 230 , J-55 677  NER RECORD BOTTOM  number) 7, 6620, 66 0, 6714, 12  cetton Method (Fowling Choke Size 20/64 Calculated Hour Rate	SING RECO	PROD	SCREEN	C   170   SX   400   SX   600   SX   100   SX   130.	(350 c) (488 c) (488 c) (1236 (122 c) (122 c) (125 c) (125 c) (127 c)	RECORD  1. ft.)  1. ft.)  1. ft.)  1. ft.)  TUBING  DEPTH S  6530  URE, CEME  AMOUNT A  Quality  Bbls H2  00,198 S  000 # 20  We Sh  Water - B  trace  Test With	Class Class Class Class RECOF ET O' KB NT SQUI NO KING FOAM O GCF N 20/40 S II Sterus ut in Bbi.	AMOUNT PU  B H) 305 y S B B AD PACKER:  PACKER:  MATERIAL US  and  (Prod. or Shur-i Gas - Oil Ratio 37,688  Gravity - API (648)



Carnatian Unit #1

Basin Dakota Pool

Unit P, Sect 35, 30N, 12W

San Juan Co., New Mexic

G.L. 5911

#### P&A

- 1. Plug over perfs \$ 100' to 6400'
- 2. Cut and pull free 41/2" pipe
- 3. Plugs across a.41/1" stub
  - b. Mess Verde
  - c. Picture Cliffs
  - d, Ojo Alamo
  - e. 85/8" casing seat
  - F. surface
- 4. Monument

JCG/4-2-71

# WELL \_\_CATION AND ACERAGE DEDICATION PLAT

		All di	stances must be	from the outer	boundaries of the Sc	ection		
≥rator				Lease			l Well No.	
Aztec Oil &	: Gas Compa	ny		1 J.	Rudson		3	
Unit Letter	Section	Township		Range	County			
E	35	30 N	orth .	12 W	lest	San Juan		
Actual Footage Loc								<del></del>
1750	feet from the		line and	990	feet from the	∍ West	line	
	<sup>1 P</sup> roducing			Pool Besin	Dakota		Dedicatea Avereage:	
5857	Dalect	a Many	erde	Flora	Vista Mesave	mile (Ret.)	220	Acres
<ul><li>2. If more that interest and roy</li><li>3. If more that by communitize</li></ul>	in one lease is ralty), in one lease of ation, unitizati	dedicated to different cw on, force-po	o the well, our mership is ded bling, etc?	tline each an	well, have the in	whership there	cwners been consc	
( <b>X</b> ) Yes (	) No I	f answer is	"yes," type of	consolidation	Communiti	zation		••••••
If answer is "no necessary."	o," list the owr	ers and trac	t descriptions	which have o	actually consolida	ated (Use reve	erse side of this	form if
No allowable wi	II be assigned trwise) or until	to the well us a non stando	nt I all interest ard unit, elimin	s have been lating such in	consolidated (by nterests, has beer	communitizat approved by	ion, unitization, the Commission.	forced-

# Sec. | N

#### CERTIFICATION

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

ORICIVAL SIGNED BY TOP O GATAGA

CATOLIAL SIGNED BI JUE C. SALMUN
Name
Position Jos C. Salmon
Composition Superintendent
Date Astec Oil and Gas
My 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

Certificate No. 3602

	D		STA		-	I IN DUPLI (Se	e other in-	Fo B	orm approved. udget Bureau No. 42–R355.5
	DE.PAF	RTMENT				str	uctions on erse side)	5. LEASE DES	IGNATION AND SERIAL NO
		GEOLOGI	CAL SU	RVE	1′ -	i		SEF 07	7922
WELL C	OMPLETIO	N OR RECO	OMPLET	ION	REPORT	ND IC	)G *		ALLOTTEE OR TRIBE NAME
1a. TYPE OF W		IL - GAS WELL WELL			T KE	CFIV	11-11		
b. TYPE OF CO		VELL WELI	L X D	RY	ther	<u> </u>		7. UNIT AGREE	MENT NAME
NEW -	WORK D	DEEP- PLUG			1 F A	UG 2 - 1	occ .		<u> </u>
2. NAME OF OPER		N L BACE	LES'	VR. L	Other H	<u> </u>	966_	S. FARM OR L	
_	Oil and Gas				1		].	9. WELL NO.	<b>102</b>
3. ADDRESS OF Q					U.S. GE	OL COICAL	SURVEY	T = 1	
Drawer	570 Fe	ermington,	New Mex	ico			· ~-	TO- FIELD AND	POOL, OR WILDCAT
	VELL (Report loca	tion clearly and i	in accordance	with an	y State require	menta)*	.	Basin Dak	
At surface	1750 FML &	990 FWL Se	c 35. T	30n.	Relaw	,	-		M., OR BLOCK AND SURVEY
	interval reported			• ,	£			OR AREA	
					<b>1.</b>				
At total depth	1							Sec 35.	T-30N, R-12W
	•		14. PER	MIT NO.	. מ.	ATE ISSUED		12. COUNTY OR PARISH :	13. STATE
15. DATE SPUDDED	1 16 DATE TO	REACHED   17. D	ATTE COMPL (	Deadu +	0.000()			San Juan	
7/22/66		i		neday i	18.	ELEVATIONS (		, GR, ETC.).*	19. ELEV. CASINGHEAD
20. TOTAL DEPTH, M	8/4/66 D & TVD   21. PI	UG, BACK T.D., MD	/15/66	IF MUL	TIPLE COMPL.,	5857 GL	ERVALS	ROTARY TOOLS	5858
6750		6732		How M	ANY*		LLED BY	<u> </u>	CABLL TOOLS
24. PRODUCING INT	ERVAL(S), OF THE	S COMPLETION-T	OP, BOTTOM,	NAME (3	ED AND TVD)*		<del>-&gt;</del> !	· = ·*	25. WAS DIRECTIONAL
<del>-</del> -						:			SURVEY MADE
6460	<b>6680</b>				=======================================	::			201
26. TYPE ELECTRIC	AND OTHER LOGS	RUN			: -	· <u>·</u> ·		2	7. WAS WELL CORED
Es	• Ind and	Density lo	g		<u>.</u> <u>.</u>	-		1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	<b>10</b>
23.					ort all strings s	et in well)		रमञ्जू है	- 7:
CASING SIZE	WEIGHT, LB.		SET (MD)	но:	LE SIZE	CE	MENTING RE	CORD	AMOUNT PULLED
8.5/8*					<del>-</del> -1/4	2	50	<u> </u>	1 2 2 3
461/2	10.5#	675	0		7 <b>=7/</b> 8	70	00 <u>~</u>	<u> </u>	
<del>-</del>					- 3		·		
29.		LINER RECOR	<u>n</u>			-   30.			
SIZE	TOP (ED)	BOTTOM (MD)	SACKS CEN	ENT*	SCREEN (MD)	SIZE		BING RECOR	
	<u> </u>	()	-		SCREEK (MD)	12		PTH BET : (MD)	PACKER SET (MD)
	·		-				—   — <u> </u>	6597	
1. PERFORATION RE	COED (Interval, 8	ize and number)			32.	ACID, SHOT.	FRACTUE	RE. CEMENT S	QUEEZE, ETC.
					DEPTH INTER				OF MATERIAL USED
646 <b>0-80, 65</b>	40 <del>-</del> 62, 6567	7.72, 6580	85, 666	8580	6460-666	පි≂්ප්ර		bbl B20	
2			SPF	,				00# 20/40	
					· -			00# 10/20	
3.*		<del>-</del>					125	balls	
ATE FIRST PRODUCT	TION   PROD	UCTION METHOD	(Flaming age		UCTION		<u> </u>	· · · · · · · · · · · · · · · · · · ·	:
					mping—size and	itype of pum	(q) -	WELL STA	TUS (Producing or
ATE OF TEST	HOURS TESTED	CHOKE SIZE		~~~	OIL-BBL.	GAS-MC	P	<u> </u>	shutein-
8/22/66	2 3	ე/i.⊯	ALEST P	RIOD F		l ~	خَا		GAS-OIL RATIO
LOW. TUBING PRESS.	CASING PRESSU		OIL—BB	L.	GAS—MC	·   ~	WATER-BB	L	GRAVITY-API (CORR.)
170	747	24-HOUR RA		6	248		1	7. 5.134°E	
4. DISPOSITION OF	as (Sold, used for	fuel, vented, etc.	)			<del></del>	7 2	EST WITHESEED	RAEL
:		vented		_ H	, ξ	:3	- 45	Of College 20	dca_
. LIST OF ATTACH	MENTS		_ <del></del>						<del>-</del> • • • • • • • • • • • • • • • • • • •
			⋤	<b>j</b>		• :	~*'^c'\ <del>!</del>	المنافقة الم	실수 등 기록 하
5. I hereby certify	that the fame		9	red r		· :	ั เรอรา <b>ย</b> ์		

<sup>\*(</sup>See Instructions and Spaces for Additional Data on Reverse Side)

# WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Hudson .c 011 & Gas Company Count. Section errer. 12 West San Juan 30 North 35 Jail Feetage Excation of Well feet from the West 1750 feer framing, North . \_\_\_\_ ine and a leve Sex Producing Furmation 990 Basin Dakota Dedicated Avereage Rind Lave Elevi Flora Vista Mesaverde (Ext) 5857 Dakota - Mesaverde 1 Outline the acerage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty), 3. If more than one lease of different connership is dedicated to the well, have the interests of all conners been consolidated by communitization, un tization, force-pooling, etc? (X ) Yes ( No If answer is "yes," type of consolidation <u>Communitization</u> If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary 1,..... No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forcedpooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION JUN2 1966 heren is true and complete to the best of my OIL CON. 2 Meyledge and belief. DIST. 3 CRIGINAL SIGNED BY JOE C SALMON Joe C. Salmon 1750 District Superintendent Campany Aztec Oil and Gas ũa⁴e May 27, 1966 S I hereby certify that the well location shown an this plat was platted from field notes of actual surveys made by me or under my supervision, and N that the same is true and correct to the best of my knowledge and belief. Date Surveyed March 31, 1966
Registered Fratessional Engineer and/or Land Surveyor Certificate No. 3602

LIBUTION T			/
€E.	NEW MEXICO O	IL CONSERVATION COME ON	Form 111
	REQUE	ST FOR ALLOWABLE	Supersedes this is the and Col Effective 1994
S. CESICE	AUTHORIZATION TO	AND TRANSPORT OIL AND NATURAL GAS	Enacite - 1-1-t
· · · · · · · · ·		ON OIL AND NATURAL GAS	•
AUSPORTER . GAS .	<del>/    </del>		į
JEERATOO			
PROPATION OFFICE	****		•
Artes	di and di		
Alliens	il and Gas		en e
Peasonts I for liling Check pro	r 570 Farmington, New	Martico	i i
Y X	per hox)  Thange in Transporter of:	Other (Please explain)	چور در
Priesylania 🔲		Gas	<u>:</u>
hinge it (Newship)	Casinghead Gas	nd en soite	
If change if ownership give n	ame.		e energy and a second account.
and addiese of previous owne	r		
DESCRIPTION OF WELL	AND LEASE		
	Cell Mr. Blo Name, Iro Hi		, ease 5/5
Bidson	Besix Dako	Sinte Federal or Pa	Fed SF 077922
for erre.	1750 Coal From the North		
		ne ind 990 Feet the De-	
Line to entire 35	Contains 30N France	12W , marey San Juan	_ mil Out to
ESIGNATION OF TRANS	PORTER OF OIL AND NATIONAL		
ives couse order	CI All or Condensate 🏋	Attense (Give address to which are vel con	ex orther from exp. sec
Flateau Inco	rporated	Box 108 Farmington	New Mexico
Southern Ibil	on Gas Company		
for the same throats,	Unit Sec. wp. toge.	Box 815 Farmington	New Hexico
ve en strake		<b>%</b> O	
this production is commingle	ed with that from any other lease or poor	l, give commingling order number	· · · · · · · · · · · · · · · · · · ·
TO CONTRACTOR	DI 9-11		
Designate Type of Comp	letion = (\)		Bonk Come Geste Lift Gegen.
7/00/66	Oute Compt. Ready to Prod.	fotal Tepth P.B.	
THE RABERT OF A	8/9/66 Name of Broducing Formation	6750	6732
5857 GL	Dakota		ì
erformtinge	A CANADA A C	The state of the s	6597
54(4)-(4), 6540-62,	6567-72, 6580-85, 6668-80,	4 RFT	6750
HOLE SIZE	CASING & TUBING SIZE	D CEMENTING RECORD	
124	8≈5/8ª	OEPTH SET	SACKS CEMENT
7-7/8"	1-1/2"	<u> </u>	250 sx 750 sx
	1-1/2"	6597	- J_X_RA
IST DATA AND REQUEST	FOR ALLOWARIE (Taxon		
I. HFII.	able for this d	after recovery of total volume of load oil and mus epth or be for full 24 hours;	t be equal to or exceed top allow-
te Stra New Oil Pub To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
ngth or Test	Tubing Pressure	Casing Pressure	
		Choke	SIL
ual Brod Sturing Test	↑Bb.s.	Water - Bb.s. Gas - N	AFI-FHV+D-
		·	Krori - / 2
SHELL			SEP 2 1966
THE THE LACEND	Length of Teet	Bble. Condensate/MMCF	OIL-CON. COM.
2485	3.100		OIL-GOIL. 3
back measure	Turing Pressure (Shut-in)	Casing Pressure (Shut-in) Choke	Size
TIFICATE OF COMPLIA	INCE	747	3/4"
		OIL CONSERVATION	
tehy chatify that the rules an	d regulations of the Oil Conservation	APPROVED SEP - 2 1	966
the true and complete to	with end that the information given the heet of my knowledge and belief.	By Original Signed by En	nery C A11
450144		TITLE SUPERVISOR DIS	
E)RIGINAL SIGNED BY	JOE C. SALMON	This form is to be filed in complian-	ርቀ With ምህርድ 1104.
rsi	(nature)	If this is a request for allowable for well, this form must be accompanied by tests taken on the well in accompanied	
Matrict Super	Intrandent.	and the mast til accordance and	ITO PULE 111.
20guat 31, 196	6	All sections of this form must be fill able on new and recompleted wells.	
	Par	Fill out only Sections I. II III and well name or number, or transporter, or other	VI for changes of more
	•	Saperate Forms C-104 must be filed	the early of the property
		Section 1988 to 1988 the Section 1988 the	

# Subma to Appropriate District Office State Lease – 6 copies Fee Lease – 5 copies DISTRICTI

#### State of New Mexico argy, Minerals and Natural Resources Departme

Form C-105

Revised 1-1-89

State Lease - 6 copies Fee Lease - 5 copies DISTRICT I	ОП	CONSE	RVATION	DIVISIO	N WE	LL API NO.	- 7	,
P.O. Box 1980, Hobbs, NM DISTRICT II	1 88240	]	P.O. Box 2088 New Mexico 87			Indicate Type		
P.O. Drawer DD, Artesia, N	NM 88210	Janua I C, I	CW MCXICO O	30 · 2000		State Oil & G	STATE	FEE X
DISTRICT III 1000 Rio Brazos Rd., Azie	c, NM 87410		-,			<b>322.</b> On <b>1.</b> O		
	MPLETION OR R	ECOMPLET	ON REPORT	AND LOG				
OIL WELL	GAS WELL	DRY 🗌 (	OTHERDI	SPOSAL.	′·		or Unit Agreeme	
b. Type of Completion:  NEW WORK WELL X OVER	DEEPEN BAO		SVR OTHER			SUNCO	DISPOSAL	
2. Name of Operator					8.	Well No.		
3. Address of Operator	OIL & GAS CO	MPANY			9	Pool name or	# ] Wildcat	
-	TH TUCKER,	FARMINGTO	ON, NM 87	401		FLORA VI	STA MES	SA VERDE
4. Weil Location Unit Letter	1595 Fe	et From The	NORTH	Line and	1005	Feet Fro	on TheWI	EST Line
Section	2		9N Range	. 12W	NM	PM SA	N JUAN	County
	. Date T.D. Reached	12. Date Com	ipl. (Ready to Prod.)	13. Eleva	tions (DF4	RKB, RT, GR,	esc.)   14. E	lev. Casinghead
01-28-92			- 24 - 9 V . If Multiple Compl.		59 GR.	Rotary Tools	Cabi	5864
15. Total Depth 4760	16. Plug Back T.D.	[11	Many Zones?	now 18.	Drilled By	X	المدا	
19. Producing Interval(s), o	of this completion - Top,	Вопоп, Name	<del></del>	<u></u>		20	). Was Direction:	al Survey Made
						22. Was Well	YES	
21. Type Electric and Other		ידראי היבאיכי	ተ <b>ጥ</b>		+	ZZ WAS WELL		
23.	TION & FORMAT		CORD (Repo	ort all strings	cet in u		N	
CASING SIZE	WEIGHT LB/FT.			OLE SIZE		ENTING RE	CORD	AMOUNT PULLED
8-5/8	24.0	209		12-1/4		sc Class		0
5-1/2	15.50	4760		7-7/8			sx 65/35	0
						<u>Class B</u> tage 465	sx 65/35	
						х "В" Та	il.	
24.		NER RECOR		Τ	25.		SING RECO	
SIZE	ТОР	BOTTOM	SACKS CEMENT	SCREEN	-	SIZE	DEPTH SE	4300
					<del></del>	<del>-7/8</del>	4300	4300
26. Perforation recor	d (interval, size, and	i number)						SQUEEZE, ETC.
				DEPTH INT	ERVAL	AMOU	NT AND KIND	MATERIAL USED
4350-4460 2	2spf .46 220			<u> </u>		<u> </u>		
28.			PRODUCTION				1 37 9 6	(Part of Charles)
Date First Production	į .		lowing, gas lift, pum	ping - Size and typ	ve pump)			(Prod. or Shut-in)
02-24-92 Date of Test	Hours Tested	ABBING	Prod'n For	Oil - Bbl.	Gas - M	CF V	SHUT-	Gas - Oil Ratio
02-24-92	24	2"	Test Period	TR.	3.	2   1		19. CU/FT/BBL
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF		uer - BbL	1	- API - (Corr.)
0	315		m <sup>o</sup> F C			.64.99	NOT ME	ASURED
29. Disposition of Gas (So VENTED	old, used for fuel, verued,	esc.)	IN W			1cm W	-	ELLEDGE
30. List Attachments			FEB2	8 1992				,
PRODUCTIO	N TEST	m on hock aid-			to the best	of my knowle	edge and belief	f
31. I hereby certify that	ine injormation show	n on oom sides		77. UIV	•	• • • • • • • • • • • • • • • • • • • •	,	:
Signature M	Maker		Printed RON H	Ahan	Ti	de CONTRA	ACTS MGR	Date_ <u>02-28-92</u>
I DISTINGUE TO THE								

#### Submit to Appropriate District Office State Lease — 6 copies Fee Lease — 5 copies

#### State of New Mexico \_\_rgy, Minerals and Natural Resources Departme

Form C-101 Revised 1-1-89

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

OIL CONSERVATION DIVISION P.O. Box 2088

API NO. ( assigned by OCD on New Wells)

Santa Fe, New Mexico 87504-2088

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

5. Indicate Type of Lease FEE X **STATE** 

חומופירה ווו

CONDITIONS OF APPROVAL, IF ANY:

6. State Oil & Gas Lease No.

1000 Rio Brazos Rd., Aztec,					
APPLICATI	ON FOR PERMIT TO	DRILL, DEEPEN, OF	R PLUG BACK	<u> </u>	
12. Type of Work:				7. Lease Name or Unit A	greement Name
DRILL	X RE-ENTER	DEEPEN	PLUG BACK		
b. Type of Well OIL GAS WELL WELL	SWi onHER DISPOSA	SINGLE LL X ZONE	X ZONE	SUNCO DISPOS	AL
2. Name of Operator COLEMAN OIL &	GAS COMPANY	128		8. Well No. #1	
3. Address of Operator 700 SOUTH TUC				9. Pool name or Wildcat FLORA VISTA	76680 MESA VERDE
4. Well Location Unit Letter]	E_: 1595 Feet Fro	on The <u>NORTH</u>	Line and 10	)5 Feet From The	WEST Line
Section	2 Townsh	29N Rang	12W	NMPM SAN JUAN	County
		10. Proposed Depth	//////////////////////////////////////	Formation	12. Rotary or C.T.
		4760		MESA VERDE	ROTARY
13. Elevations (Show whether 5859 GR.	r DF, RT, GR, etc.) 14	l. Kind & Stams Plug. Bond	15. Drilling Contracts BIG "A" WE		. Date Work will start -28-92
17.	PBO	OPOSED CASING AN	D CEMENT PROC	RAM "	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMEN	T   EST. TOP
12-1/4	8-5/8	24.0	200	200	SURFACE
7-7/8	5-1/2	15,50	4760	900	SURFACE
				1	

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.



	FEB2 8 1992
APPROVAL EXPIRES.  UNLESS DRILLING IS COMM SPUD NOTICE MUST BE SU WITHIN 10 DAYS.  IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS: ZONE, GIVE BLOWOUT PREVENTER PROGRAM, # ANY.	MENCED. OIL CON. DIV
I hereby certify that the information appropria true and complete to the best of my known SIGNATURE	TITLE CONTRACTS MANAGER DATE 02/28/92  TELEPHONE NO327-4961
(This space for State Use)	DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR 0 5 1992

Peceipt for Certified Mail
No Insurance Coverage Provided.

Do not use for international Mail (See reverse)
Sent to
Werrion Oil & Gas
Street & Murber Box 840

Postage \$\$
Certified Fee
Special Delivery Fee
Total Postage \$\$
Total Postage \$\$
Special Delivery Fee
S

P 553

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 card to you.  Attach this form to the front of the mailpiece, or on the back if spermit.  Write 'Return Receipt Requested' on the mailpiece below the ar The Return Receipt will show to whom the article was delivered delivered.	ticle number. and the date	I also wish to receive the following services (for an extra fee):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to:	4a. Article N		
Merrion OII & Gas P.O. Box 840		3 308 258	
P.O. Box 840	4b. Service	• •	
Farmington NM 87499	☐ Registered 😾 Cert		
	☐ Express	Mail Insured -	
	☐ Return Re	ceipt for Merchandise	
	7. Date of D	elivery	
5. Received By: (Print Name)	8. Addresse and fee is	e's Address (Only if requested s paid)	
6. Signature: (Addressee or Agent)			
PS Form <b>3811</b> , December 1994		Domestic Return Receipt	

the right of the return address
CERTIFIED

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

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)
Sent in Tidian OII
Street & Number
P. 0. Box 4289
Postage
Postage
Special Delivery Fee
Special Delivery Fee
Return Receipt Showing to Whom & Date Deliverd February & Addresse's Address
TOTAL Postage & Fees

**5** 5 5

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):  1.  Addressee's Address 2.  Restricted Delivery Consult postmaster for fee.		
	3. Article Addressed to:	4a. Article N	Article Number		
	Meridian Oil Company	P 55	P 553 308 259		
	P.O. BOX 4289	4b. Service Type			
	F.O. BOX 4203	☐ Registered ☑ Certifi		🙀 Certified	
	Farmington NM 87499	☐ Express Mail ☐ Insured		Insured	
		☐ Return Re	Return Receipt for Merchandise [] COD		
8		7. Date of Delivery			
Y					
RETURN ADDRESS	5. Received By: (Print Name)	Addressee's Address (Only if requested and fee is paid)		if requested	
your B	6. Signature: (Addressee or Agent) X				
<u>-9</u>	PS Form <b>3811</b> , December 1994		Domestic Ret	urn Heceipt	

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



Meridian Oil P.O. Box 4289

Farmington NM 87499 Phone: 505-326-9700

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,

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