Mobil Producing Texas & New Mexico

o Inc. 11 27 1983

S.L. CONSERVATION DIVISION SANTA FE

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

January 25, 1983

Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Attention: J. D. Ramey

7.01
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
DENTON NORTH WOLFCAMP UNIT WELL #7-7
DENTON NORTH WOLFCAMP FIELD
LEA COUNTY, TEXAS

Gentlemen:

Mobil Producing Tx. & N.M. Inc. (MPTM) respectfully requests authority to inject production water down this wellbore into the Wolfcamp hydrocarbon formation and enlarge the area influenced by the waterflood in the Denton North Wolfcamp Unit. This expansion should ultimately recover more hydrocarbons than present methods.

The supporting information for this application is organized in accordance with Form C-108.

I have examined the available geological and engineering data and find no evidence of open faults or any other hydrological connection between the disposal zone and any underground source of drinking water.

Yours very truly,

J. A. Morris

Regulatory Engineering Supervisor

SDMarino:mma Attachments

STATE OF NEW MEXICO FRANCY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

POST OFFICE BOX 2008 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO B7501 FORM C-108 Revised 7-1-81

AN 27 1983

APPLICATION	FOR	AUTHORIZATION	TO INJECT

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Ι.	Purpose: X Secondary Application quality	ary Recovery Ties for admi	Pressure Maintenance nistrative approval?	MSERVATION DIVIS Ne SAN TONI diffesal Nes ☐ no	Storage

II. Operator: Mobil Producing Texas & New Mexico Inc.

Address: 9 Greenway Plaza, Suite 2700, Houston, TX 77046

Contact party: S. D. Marino Phone: 713-871-5351

III. Well data: Complete the data required on the reverse side of this form for each well proposed 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 R 3001

- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
 - 1. Proposed average and maximum daily rate and volume of fluids to be injected;
 - 2. Whether the system is open or closed;
 - 3. Proposed average and maximum injection pressure;
 - 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 - If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source 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: <u>J</u>	A. Morris	litte Reg. Engrg. Supervisor
Signature:	J.a. Mari	Date: January 25, 1983
_		

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - Lease name; Well No.; location by Section, Township, and Range; and factage 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 ray 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 tocation.

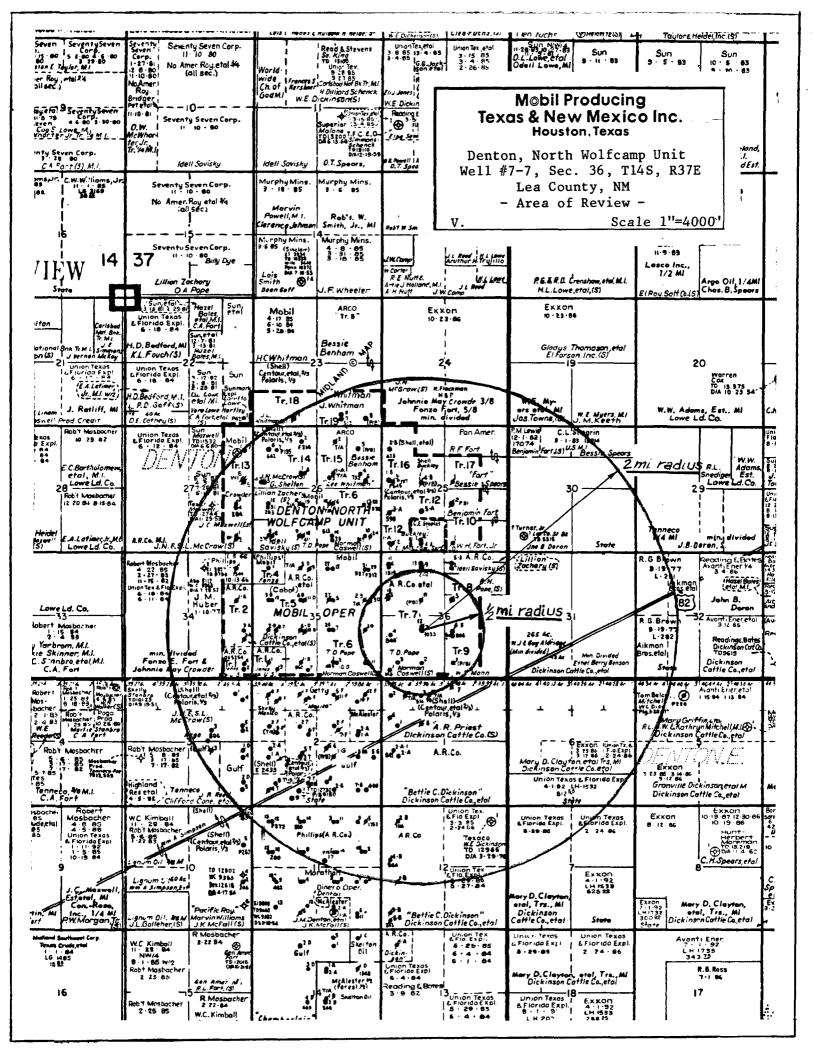
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (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 singl: 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 hear ng with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 wi hin 15 days.

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

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

1-7	1980'FSL & 1650'FWL	36	148	37E
HELL NO.	1980'FSL & 1650'FWL	SECTION	TOWNSHIP	RANGE
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Schen	natic	 -	oular Data	
		Surface Casing		
		Size <u>13-3/8</u>		
]]]	TOC Surface	eet determined b	y Circulation
		Hole size 17-1/4"		
	·	Intermediate Casing		
		Size <u>9-5/8</u> "	Cemented wi	th <u>2300</u>
		TOC Surface	ect determined b	Circulation
		Hole size 12-3/4"		
		Intermediate Casing	Composite de la cidade	200
	·	Size 7-5/8 "		
	•	TOC 6030 F		remp. Survey
		Hole size <u>8-3/4"</u>		
		Long String		
		Size 5-1/2 "		
	·	TOC 8658 f		by Temp. Surve
]		Hole size 6-1/4"		·
		Total depth 12,640'		
		Injection Interval		
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ther Data	buy comer coorning coorning	,	•	
	the injection formation	Wolfcamp		
		eable) Denton North Wo	lfcamp	
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		well originally drilled?	-	m Bayonian
	or what purpose was the formation	werr originaria original	FIGURELION ITC	m pevonian
. Has the	well ever been perforate	ed in any other zone(s)?	List all such pe	rforated inter
and give	plunging detail (sacks	of cement or bridge plug SPF, 20 Holes; to be	(s) used)	
24 VIII	35' of class C nea			.=- \
5. Give the		ny overlying and/or under	lyima oil or ann	zonea (nonla)
,, wive the	a. Devonian 12,270' o	21	ayamı yazı de gun	



1": 2000'

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FILE NO.

Mobil Producing Texas & New Mexico Inc. Denton North Wolfcamp Unit

Well No. 7-7 Sec. 36, T14S, R37E 1980'FSL & 1650'FWL

Tabulated Data of all producing wells on public record within area of review.

PRODUCING WELLS OPERATOR

OP	EKATU	X				
WELL	NO.	LOCATION	$rac{ ext{TYPE}}{ ext{TYPE}}$	DATE DRILLED	DEPTH	COMPLETION INTERVAL
POLA	RIS PI	RODUCTION COMPA	NY			
3	С	1-15S-37E	Oil	2/1/53	12,650'	Mississippian 11,670'-80'
5	С	1-158-37Е	Oil	2/18/53	9485'	Wolfcamp 9168'-9380'
ARCO)					
4	J	36-14S-37E	Oil	5/28/55	12,630'	Devonian 12,499'-12,624'
6	J	36-14S-37E	0il	9/20/55	9479 '	Wolfcamp 9286'-9436'
1	М	36-14S-37E	Oi1	5/3/53	12,640'	Devonian 12,278'-12,590'
5	E	36-14S-37E	Oil	12/22/53	12,643'	Devonian 12,128'-12,480'
8	F	36-14S-37E	0il		12,640'	Wolfcamp 9212'-9450'
2	N	36-14S-37E	0il	7/27/53	12,650'	Devonian 12,530'-12,635'
3	G	36-14S-37E	Oil	7/26/53	9313'	Wolfcamp 9185'-9274'
1	0	36-14S-37E	Oil	7/26/53	12,646'	Devonian 12,506'-12,647'
4	L	36-14S-37E	Oil	12/11/53	12,641'	Devonian 12,525'-12,615'
MOBI	L PROI	OUCING TEXAS &	NEW MEXICO I	NC.		
	30 Н	35-14S-37E	0il	12/7/53	9370'	Wolfcamp 9179'-9209'
TR6	3 P	35-14S-37E	Oil	4/1/53	12,628'	Devonian 12,218'-12,628'
TR6	11 P	35-14S-37E	Oil	5/16/53	9263'	Wolfcamp 9179'-9217'
TR6	20 I	35-14S-37E	Oil	9/1/53	12,632'	Devonian 12,149'-12,615'

Information on construct of these wells is attached.

SIGNED _

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ENERGY AND MINERA		OIL	CONSER	SVA.	TION	VIC	ISION	<u> </u>	-(<u></u>	
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FILE		JA						5.	State Off	6 Gas Leane	No.
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LAND OFFICE	Y'	TELL COMPLE	TION OR I	CECO	WE LL TIC	// K	LI OKT AND				/////
OPERATOR						7					11111.
10. TYPE OF WELL					\$ \$.;	,		7.	Unit Agr	eement Name	
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b. TYPE OF COMPLE	ETION			,	U na	,) 첫 (138	3 8.	Farmor	Lease Name	
	HK DEEPE	N PLUG	DIFF.		OTKES.		NAME OF THE OWNER OWNER OF THE OWNER OWNE		Pri	iest	
2. Nome of Operator	·/	/	, (}	O.1.	CO	NSERVATION	D:VISIQ!	Well No.		····
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3. Address of Operator	0		11	1/		70		1 ^	_	nd Pool, or Wil	,
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15. Date Spudded		leached 17. Date			od.) 18.	Elevo	ations (DF, RKB	RT, GR, ϵ	21c.) 19.	Elev. Cashing	hecd
9-28-52	2-1-4	53	• .			:	3808 D	<u>~</u>		NA	
20. Total Depth	1 21. Plu	g Back T.D.	22. lf h	Multiple	Compl., Ho	ow ~	23. Intervals	Rotary To	ools	, Cable Toci	
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24. Prœucing Interval	s), of this complet	ion - Top, Button	n. Name		10/1					25. Was Directi	ionel Surv
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Missil	MIDDE	n 116	70-8						.	NA	
26. Type Electric and (Otier Log Run	70 110	70 0	<u> </u>					27. W	las Weil Cored	
										NA	
28.		CAS	ING RECORE	Repor	rt all string	s set	in well)		L		
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31. Perforation Record				-	32.		D, SHOT, FRAC				
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Date First Production	Produ	ction Method (Flor	ving, gas liji,	pumpin	ig — Size ai	na typ	e pumpj	"	eli Statu:	s (Prod. or Shu	t-inj
D		18.1.8			41 500		O NOT	<u>- </u>	DI I	16 605	
Date of Test	Hours Tested	Choke Size	Prod'n. Fo Test Perio		u – Bbl.	1	Gas MCF	Water	Bbl.	Gas - Oil Rai	.10
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Flow Tubing Press.	Casing Pressure	Calculated 24 Hour Rate	- СЛ — ВЫ. 		Gas I	MCI	Water -	Bbi.	On	Gravity - API	(Cerr.)
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34, Disposition of Gas	toom, usea jot jue	i, venica, etc.j						j est wit	nessed B	77	
A I full of Assessment - 1								<u> </u>			
35. List of Attachments	•										
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6. I hereby certify that			s of this form	s true	una comple SCICI	3	ine vest of my ki	www.cdge a	na veticf.		
וארסט	ED FROM	70300	م معرود بب			-					

. D	ATE 12-16-82	WELL NO. 3-C	_ LEASE_A.R. PRIEST	FIELD DENTON (UNDESIGNATED)
ı.	OCATION SEC. 1, T1.	55,R37E, 1650'FWL	SIGNED J. BOUBEL	G.L. <u>NA</u> D.F. <u>3808'</u> K.B. <u>NA</u> ZERO <u>NA</u>
	-	133/8", 48 #/ HOLE :	FT CSG. SET @ 307' W/350. SIZE 17'/4"	SK.CMT, CIRC. TO SURFACE,
		85/8", 32 #/FT HOLE SIZE		SX CMT, CIRC TO SURFACE,
		— Toc @ 7752'	(CALCULATED)	
	=	= MISSISSIPPIAN PE	BF5: 11670-11680 , 451	F, TOTAL 40 HOLES
		CIBP SET @ 12 - DEVONIAN PERFS	2266'; CAPPED W/3 SX.C	MT.
•		► 51/2", 15.5# \$ 17#; (CALCULATEI TO 12650'	/FT CS6. SET @ 12572 'W/ D) , HOLE SIZE 778"	100 SX, TOC @ 1752'

STATE OF NEW MEXICO

ENERGY AND MINERAL	S DEPARTMENT	OU C	ONSERVA	TIONE	IVISIO	7 1500	1		
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U.S.G.S.	WF.	LL COMPLE	TION OR REC	OMPLETIC			0G -	~~~	mmm
LAND OFFICE	""	LE COMI LE	·	O, — C				/////	
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2. Name of Opening	eris M	dust	m. //	$n \wedge n$			3. 11027	5	
3. Address of Operator	ous pro	va uni	or C	XP.		·	10 Fie	old ond I	Pool, or Wildcat
3. Address of Operator				/			1 🗻		
4. Location of Well							- Cen	197	Wolfconf
√. Ecco									
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THE WEST LINE OF	/	155	37F					ea	
15. Date Spudded	16. Date T.D. Rea	ched 17. Date	Compl. (Ready to	Prod.) 18.	Elevations /	DF, RKB, R			ev. Cashinahead
1.71.62	3-17-	53 3-	18-03	,	3806	· D.F	=		k1/2
20. Total Depth 9485	3-/7-1 21. Plug E	Back T.D.	22. If Multip	ole Compl., Ho	w 23. Jn	tervals F	Rotary Tools		Cable Tools
9485	9	113	Many	NE	1 D	illed By	NI	i	
24. Producing Interval	s), of this completion	Top, Bottom,	Name					25.	Was Directional Surve
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1, H.	12-1-81	•						1	1-12
26, Type Electric and C	Other Logs Run		····				12	7. Wos	Well Cored
NA								/	NA.
26.	 	CASI	NG RECORD (Re	port all string	s set in well) ,			
CASING SIZE	WEIGHT LB./F	T. DEPTH	SET HO	LE SIZE	С	EMENTING	RECORD	T	AMOUNT PULLED
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		<u> </u>							
29.	LIN	ER RECORD			30.		TUBING	RECOR)
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31. Perforation Record			~ 15PF	32.		T, FRACTU	RE, CEMENT	SQUEE	ZE, ETC.
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33,	1300, 130	5 - 150		DUCTION				~	
Date First Production	Producti	on Method (Flaw	ing, gas lift, pum		d type pump	,	Well S	itatus (F	rod, or Shut-in)
	1.100.00					,			,
Date of Test	Hours Tented	Choke Size	Prod'n. For	OII - Bbl.	Gas	MCF	Water - Bbl.	G.	as - Oil Ratio
			Test Period						
Flow Tubing Press.	Casing Pressure	Calculated 24-	Oil - Bbl.	Gαs 1	MCF	Water - B	bl.	Oil Gro	ivity - API (Corr.)
·		Hour Rate						ı	
34. Disposition of Gas	Sold, used for fuel.	vented, etc.)				1	Test Witness	ed By	
35. List of Attachments									 :
36. I hereby certify that	the information sho	um on both sides	of this form is tri	ue and comple	te w the bes	t of my knot	wledge and b	elief.	
co,	PIED FROM	1 HOBBS	DISTRICT	OFFICE	-				
SIGNED			TITLE				DATE		

DATE 12-16-82 WELL NO. 5-C LEASE A.R. PRIEST FIELD DEUTON WOLFO	AMP_
LOCATION SEC. 1, T155, R37E, SIGNED J. BOUBEL G.L. NA BEC'FNL & 1980 FWL SIGNED J. BOUBEL D.F. 3806' K.B. NA ZERO NA	
T.A.'d SINCE 12-1-81	
133/8", 48 #/FT C5G. SET @ 3551 W/ 350 SX. CMT, CIRC. TO SURF. HOLE SIZE 17/4"	ACE,
85/8", 32#/FT CSG. SET @ 4800' W/ 1700 SX. CMT, CIRC. TO SURFACE HOLE SIZE II"	ŧ,
TOC @ 8303' (TEMP. SURVEY)	
WOLFCAMP: 9168-9180, 9200-9220, 9294-9320, 9365-9380, 4 SPF, TOTAL 292 HOLES	
PBTD 9413'	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

STATE OF NEW MEXICO Revised 10-1-78 ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION NO. 07 COPIES RECEIVES 5a. Indicate Type of Lease P. O. BOX 2088 DISTRIBUTION State SANTA FE, NEW MEXICO 87501 BANTA FE 5. State Oil & Gas Lease No FILE U.S.G.S. WELL COMPLETION OR RECOMPLETION REPORT AND LOG LAND OFFICE OPERATOR 14. TYPE OF WELL 7. Unit Agreement Name OIL CONSERVATION DIVISION b. TYPE OF COMPLETION 8. Farm or Lease Name SANTA FE Field and Pool, or Wildcut 4. Location of Well 18. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Cashinghead 5-28-55 20. Total Depth 22. If Multiple Compl., How Many 23. Intervals , Rotary Tools Drilled By , A / A Cable Tools 25, Was Directional Survey Made vonian 12499-12624 NA 26. Type Electric and Other Logs Rui 27. Was Well Cored 28. CASING RECORD (Report all strings set in well) WEIGHT LB./FT. HOLE SIZE CASING SIZE DEPTH SET CEMENTING RECORD LINER RECORD 30. TUBING RECORD SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 31. Perforation Record (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 12499-12624 - 15PF DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED PRODUCTION Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) Date First Production Date of Test Hours Tested Choke Size Prod'n. For Oil - Bbl. Gas - MCF Water - Bbl. Gas-Oil Ratio Test Period

35. List of Attachments

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

COPIED FROM HOBBS DISTRICT OFFICE

Calculated 24-Hour Rate

Flow Tubing Press.

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

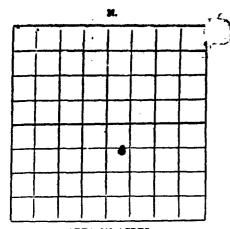
SIGNED ______ DATE _____

Gas - MCF

Water - Bbl.

Test Witnessed By

Oil Gravity - API (Corr.)



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.

LOCA	AREA 640 AC TE WELL CO	res Rrectly					·•.	
Sincla	ir 011 4	Gas Cos (Company or	Operator)			N. 7.	(Lease)	
Well No	. 6	, in 		of SE	¼, of Sec 36	, Т	14 , 1	R 37 , NMPM
****	*********	******************	<u> </u>	enton	Pool,	Lea	wa Cing a no ho a nano bagan no Alexandra a no ref	County
Well is 1	830	feet fro	m S C	uth	line and	2310	feet from.	Eastlin
of Section	36		If State l	Land the Oil	and Gas Lease No.	is		***************************************
								20, 1955
Name of Dri	lling Contra	ctor	tlund	Drillin	g Conpany	*************		·
Address	idland,	Texas						***************************************
Elevation abo	ove sea level	at Top of Tu	bing He	ad3	80 0	The in	formation given is	to be kept confidential unt
18c		•	-				-	י
	•				OIL SANDS OR Z	ONTES		
No. 1 from	9266		••			•		
						•		0
•								0
10. 5, Hom	***************************************			**************		•		·
	_				ORTANT WATER			
					h water rose in hole			
-					********************************			
-								
•	•							
No. 4, from		****************		to		**************************	feet	f
. `	======================================				CASING RECO	RD		
SIZE	WEIGH PER FO	HT NI	W OR	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATION	s PURPOSE
13 3/8	48			304				
9 5/8	40 4 3			4790	Larkin			
7	29,264	23 1	<u> </u>	94,98		<u> </u>	9286-5436	Oil Production
2 1/2*	6.5			9479		1	<u> </u>	
·				MUDDIN	G AND CEMENT	NG RECORD		1
SIZE OF HOLE	BIZE OF CASING	WHERE SET	,	NO. BACKS OF CEMENT	METHOD USED		MUD BRAVITY	AMOUNT OF MUD USED
17±	13 3/8	307		515	Halifburton			
123	9 5/8	4790		400	Hall1burton			
8 3/4	7	9498		125	iial 1 burton			
	2 1/2	9479	'		1	•		
	2 1/2	- 7479 -	H	ECORD OF	PRODUCTION A	ND STIMULA	TION	<u></u>
					No. of Qus. or Gal			
9-26-55	acidize:	with /	[a]	, and ac	10 9248-5485	by Western	h 9-27-55 a	cidized with 3000
gal. reş	. acid 9				***			•••••••••••••••••
******************************		************************************		\$# #########			182 00,0 01,00,00,000,000,000,000	>>>=======
					,			

Result of Pro	duction Stin	ulationX	M	es.nona	tural produc	tionFoto	Rial attur.	cidizing was
257 B.P	D		************		******************************	444000048000048000866		
		•		HF.				_

STATE OF NEV	N MEXICO							Re	vised 10-1-78
ENERGY AND MINERAL	LS DEPARTMENT					CLON			
OIL CONSERVATION						ISION	ſ	5a. Indicat	te Type of Lease
DISTRIBUTIO	DISTRIBUTION P. O. BOX 2088						State	Fee	
SANTA FE		SA	NTA FE, NEV	N WEXICO	2 87	501		5. State O	Il & Gas Lease No.
FILE						للمناء والمتالية		. 1	
U.S.G.S.	\	YELL COMPLE	TION OR REC	OMPLETIC	NR	EPORT AND	LOG	TITT	mmmm
LAND OFFICE			•			JAN 571	983 🚯		
OPERATOR				<u> </u>				777777	777777777777777777777777777777777777777
IG. TYPE OF WELL				_ []	B	ONSERVATION		الطلسك ل Ad الألايات	reement Name
	OIL WEL	L X WELL	DRY	OTHE	LC	ONSERVATION	JIV DIVI	J. OIV	
b. TYPE OF COMPLE	TION			_		SARTA	FE	6. T UIII OI	Lease Name
MECT ON	ER DEEPE	N BACK	DIFF.	OTHER			1	7.13,	Pope
2. Name of Operator								9. Well No	. /
1 an	co		•				i	/	
3. Address of Operator								10. Field	and Pool, or Wildcat
		•					1	Doctor	n Mestonia
4. Location of Well		- 						TITT	minim
							- 6	./////	
M	3	30	HOM THE DOLL	16	3	30	1		
DAIT LETTER	LOCATED	PELT P	HOM THE TOUCH	77777	TT	iirriii.	T FROM	12. County	mmHHH
· scat	2/	115	275		$^{\prime\prime\prime\prime}$		\prime		
THE CONT LINE OF	SEC. JO T	WP. /7 O RG	Compl. (Products	M ALLILLI	777.	Manu (DE PK	P PT CL	2 60	. Elev. Cashinghead
				1704.)	Lievo		GR	., etc.) 19	ATGO!
12.12.52	1 4.17	53 5-	3-53			<u> </u>		<u></u>	2/78
20. Total Depth	21. Plu	g Back T.D.	22. If Multir Many	ole Compl., Ho	w	23. Intervals Drilled By	,	_	Cable Tools
12040		1602		NA)	N_{i}	ρ	
24. Producing Interval(• •		•	•					25, Was Directional Surve Made
Thurs		12777.	-12590	,					
LUVOI	11047	Com 10 -	- ノム ラップ	•					$\mathcal{N}^{\mathcal{F}}$.
26. Type Electric and (Other Logs Run						11111111111	27.	Was Well Cored
A/A									NA
28.		CAS	SING RECORD (Re	port all string	s set	in well)			
CASING SIZE	WEIGHT LB.			LE SIZE	Γ	CEMENTI	NG RECO	RD	AMOUNT PULLED
13 3/8	36	316		7'/4	4,	70 5x.			
9510	32 4 24			<u>' / / </u>		00 8x.			
E1/-	20417			7/4	4	T) 511			
		- 700	2//	<i></i>		o ax.			
20		INER DECORD			1	30	T1	IR INC DEC	^^BD
29.		INER RECORD	T	T		30.		JEING REC	
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEP	TH SET	PACKER SET
				ļ. ————					
				<u> </u>					
31. Perforation Record	(Interval, size and	l number)		32.	VCII	SHOT, FRAC	CTURE, C	EMENT SO	QUEEZE, ETC.
12460-5	90			DEPTH	INT	ERVAL.	AMOU	T AND K	IND MATERIAL USED
·		•							
12278-	940								
33.			PROE	DUCTION					
Date First Production	Produ	ction Method (Flo	wing, gas lift, pum	ping - Size a	id typ	e pump)		Well Stati	us (Prod. or Shut-in)
	1								
Date of Test	Hours Tested	Choke Size	Prod'n. For	Oil Bbl.		Gas - MCF	Water	- Bbl.	Gas-Oil Ratio
			Test Period	1		•	- 1		
Flow Tubing Press.	Casing Pressure	Calculated 24	- Oil – Bbl.	Gas -	MCF	Water	- Bbl.	los	I Gravity - API (Corr.)
,, ,		Hour Rate		1		1			
34, Disposition of Gas (Sold used for fun	L vented etc.					Test	Witnessed	Rv
are proposition of day	acia, week joi juc	i, vemou, etc.)					lest	name sed	
26 16 6 14 1									
35. List of Attachments			•						
									
36. I hereby certify that		_	_			the best of my	knowledge	: and belie	f.
000	ED FRO	u wass	s distrell	T OFFIC	e				

SIGNED .

DATE 12-20-82	well no. /-M	LEASE ARCO - T.	.D. <i>POPE</i> FIF	CLD DENTON DEVONIAN
LOCATION <u>SEC.36 T145</u> 330' F5L & .	137E 330'FWL	SIGNED J. B.	<u>008EZ</u>	G.L. <u>3800'</u> D.F. <u>NA</u> K.B. <u>NA</u> ZERO <u>NA</u>
	13 3/8", 36 TO SUR	*/FT CSG. SET (CFACE, HOLE SIZ	© 316' w/ 400 s ZE 171/4"	SX. CMT, CIRC.
	85/8", 24 4'33 CIRC. 70	1 #/FT CSG. SET SURFACE, HOLE	` © 4767' w/1 SIZE 11"	700 SX.CMT,
	— TOC @ 6133'	(ESTIMATED)		
	PBTO 12603'		•	, TOTAL 1168 HOLES
	5/2", 17 \(\varepsilon\) 2640'	(FT CSG.SET & (ESTIMATED), HO	? 12639' w/900 DIE SIZE 77/8'	SX. CMT, TOC

STATE OF NEW MEXICO

ENERGY AND MINERAL	2 DEPARTMENT	~	CONCEDIA	TIONDI	MICLOIN			
HO. OF COPIES BEGET	veb	OIL	CONSERVA		VISION	Sa. Inc	dicate T	ype of Lease
DISTRIBUTION	N		P. O. BO			Ste	ate	Fee 🔀
SANTA FE		SA	NTA FE, NEW	MEXICO	87501	5. Sta	te Oil &	Gas Lease No.
FILE								
U.\$.G.5.	WE	LL COMPL	ETION OR RECO	MPLETION	REPORT AND	LOG	rrr	mmmm
LAND OFFICE			•					
OPERATOR							7777.	
Id. TYPE OF WELL	,				A Company	7. Uni	t Agreen	nent Name
•	OIL Well	X) sei	L. Day	OTHER				
b. TYPE OF COMPLE	TION			100	<u>ئىر ئىسلىدى بىلىدى سايىسىدى يېزى يېرىلىدى بىلىدى بىلىدى بىلىدى بىلىدى بىلىدى بىلىدى بىلىدى بىلىدى بىلىدى بىلى</u>	B. Far	m or Lec	ose Name
WELL OVE	RK DEEPEN	PLU	G DIFF.	OTHER	1. 1 A 12 7 7 7 1 1 1 1 1		\mathcal{L}	Prize.
2. Name of Operator	. 4	0.4	<u> </u>	OTHER	<u></u>	9. Wei	l No.	
arca	ρ_{1} / σ	2/1	(\hat{a})	Annual Services	a data pada a lilist dikareng de data basak melalik basar			
3. Address of Operator	- Con	~~~			NSERVATION.	DIVISION IN FI	eld and	Pool, or Wildcai
Lav	1710 1	L.l.la	N.M.		SANTA FE	1.3	,	Λ
101	1110 5	1000	10,101				10n	Devoruan
4. Location of Well		/						
·/	2	7		4	1000		/////	
11117 1 27720 E	JOSANED 5	<i>2</i> 0	FROM THE WW	1 LINE AND	1980	T FROM	/////	
				Tilling.	innigh	12. 6	unty	**************************************
THE MOTH LINE OF	36	145	37F	MIIIII	HHHHH	111111	20.	
15. Date Spudded	IS Date Th Date	ched 12 Dow	e Compl. (Ready to)	3001 10 5	levations (DF, RK.	R RT CR	1 10 51	ev Cashinabard
				104.7 1 18. E.			19. EI	er, cosminghedd
9-3-53	12-21-	12/1/2	-22-53		38031G		1	
20. Yolal Depth	21. Plug I	a	22. If Multip.	e Compl., How	23. Intervals Drilled By	Hotary Tools	1 !	Cable Tools
17643	/ / 0	502			>-		4	NA.
24. Producing Interval(s	s), of this completio	n — Top, Botto	m, Name					Was Directional Survey
	•	_					ĺ	Made
Dason	ian 12	128-	12480					NA
26. Type Electric and C	ther Logs Run	100	0.00				1	Well Cored
					•			A
							1/	/7
28.		CA	SING RECORD (Rep	ort all strings	set in well)			
CASING SIZE	WEIGHT LB./F	T. DEPT		E SIZE		NG RECORD	·	AMOUNT PULLED
	4.8	T. DEPT	/	7/4	350 8X	NG RECORD		AMOUNT PULLED
CASING SIZE		7. DEPT	/	7/4		NG RECORD		AMOUNT PULLED
CASING SIZE	4.8	1. DEPT	74 13		350 8X 24548X		8585	AMOUNT PULLED
CASING SIZE	48	3/ -3/ -47: -126	74 13	7/4	350 8X 24548X	NG RECORD	8585	AMOUNT PULLED
CASING SIZE	4.8 3.6 2.9	31 477 120	74 13	7/4	350 8X 24548X	-70C@9		
CASING SIZE 13 3/8 95/8 7	4.8 3.6 2.9	.3/ 47: 120 ER RECORD	74 13	7 1/4 3/4 3/4	350 SX 24545X 7005X	- 700 @ ? TUBING	RECOR	D
CASING SIZE 13 3/8 95/8 7	4.8 3.6 2.9	31 477 120	74 13	7/4	350 8X 24545X 7005X	-70C@9	RECOR	
CASING SIZE 13 3/8 95/8 7	4.8 3.6 2.9	.3/ 47: 120 ER RECORD	74 13	7 1/4 3/4 3/4	350 SX 24545X 7005X	- 700 @ 9	RECOR	D
CASING SIZE 13 3/8 95/8 7 29. SIZE	4.8 36 29 LIN	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X	- 700 @ TUBING DEPTH SE	RECOR	D PACKER SET
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (4.8 3.6 2.9 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X	- 700 @ TUBING DEPTH SE	RECOR	D PACKER SET
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (4.8 3.6 2.9 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X	TUBING DEPTH SE CTURE, CEMEN	RECOR T SQUE	D PACKER SET
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48)	48 36 29 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X 30. SIZE	TUBING DEPTH SE CTURE, CEMEN	RECOR T SQUE	D PACKER SET EZE, ETC.
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (48 36 29 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X 30. SIZE	TUBING DEPTH SE CTURE, CEMEN	RECOR T SQUE	D PACKER SET EZE, ETC.
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48)	48 36 29 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X 30. SIZE	TUBING DEPTH SE CTURE, CEMEN	RECOR T SQUE	D PACKER SET EZE, ETC.
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48)	48 36 29 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	74 13	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X 30. SIZE	TUBING DEPTH SE CTURE, CEMEN	RECOR T SQUE	D PACKER SET
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48) 12128 - 203	48 36 29 LIN TOP	3/ 477 /20 ER RECURD BOTTOM	SACKS CEMENT	7/4 3/4 3/4 SCREEN	350 SX 24545X 7005X 30. SIZE	TUBING DEPTH SE CTURE, CEMEN	RECOR T SQUE	D PACKER SET
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48 12128-203	LIN TOP	ER RECORD BOTTOM umber)	SACKS CEMENT	3/4 3/4 3/4 3/4 32. A DEPTH I	350 SX 24545X 7005X 30. SIZE ACID, SHOT, FRACE NTERVAL	TUBING DEPTH SE TURE, CEMEN AMOUNT AN	T SQUE	D PACKER SET EZE, ETC. MATERIAL USED
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48) 12128 - 203	LIN TOP	ER RECORD BOTTOM umber)	SACKS CEMENT	3/4 3/4 3/4 3/4 32. A DEPTH I	350 SX 24545X 7005X 30. SIZE ACID, SHOT, FRACE NTERVAL	TUBING DEPTH SE TURE, CEMEN AMOUNT AN	T SQUE	D PACKER SET
CASING SIZE 13 3/8 95/8 7 29. SIZE 31. Perforation Record (12430-48 12128-203 33. Date First Production	LIN TOP Conterval, size and n	3/ 477 /2(c) ER RECORD BOTTOM umber)	SACKS CEMENT PROD proing, gas lift, pump	SCREEN SCREEN 32. A DEPTH I	350 SX 24545X 7005X 30. SIZE ACID, SHOT, FRAC NTERVAL	TUBING DEPTH SE CTURE, CEMEN AMOUNT AN	T SQUED KIND	D PACKER SET EZE, ETC. MATERIAL USED Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48 12128-203	LIN TOP	ER RECORD BOTTOM umber)	SACKS CEMENT	3/4 3/4 3/4 3/4 32. A DEPTH I	350 SX 24545X 7005X 30. SIZE ACID, SHOT, FRACE NTERVAL	TUBING DEPTH SE TURE, CEMEN AMOUNT AN	T SQUED KIND	D PACKER SET EZE, ETC. MATERIAL USED
CASING SIZE 3 3/8 95/8 7 29. SIZE 31. Perforation Record (12430-48 12128 - 203 33. Date First Production Date of Test	LIN TOP Street and no street a	ER RECORD BOTTOM umber) Con Method (Flo	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN SCREEN J2. A DEPTH I UCTION ing — Size and Oil — Bbl.	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water — Bbl	RECOR T SQUE D KIND Status ()	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31. Perforation Record (12430-48 12128-203 33. Date First Production	LIN TOP Conterval, size and n	3/ 477 /2(c) ER RECORD BOTTOM umber)	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN 32. A DEPTH I	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE CTURE, CEMEN AMOUNT AN	RECOR T SQUE D KIND Status ()	D PACKER SET EZE, ETC. MATERIAL USED Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48 12128-203 33. Date First Production Date of Test Flow Tubing Press.	LIN TOP CInterval, size and n Cosing Pressure	A77 / 2 (ER RECORD BOTTOM umber) Con Method (Flo	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN SCREEN J2. A DEPTH I UCTION ing — Size and Oil — Bbl.	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water - Bbl - Bbl.	T SQUE	Prod. or Shut-in)
CASING SIZE 3 3/8 95/8 7 29. SIZE 31. Perforation Record (12430-48 12128 - 203 33. Date First Production Date of Test	LIN TOP CInterval, size and n Cosing Pressure	A77 / 2 (ER RECORD BOTTOM umber) Con Method (Flo	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN SCREEN J2. A DEPTH I UCTION ing — Size and Oil — Bbl.	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water — Bbl	T SQUE	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48 12128-203 33. Date First Production Date of Test Flow Tubing Press.	LIN TOP CInterval, size and n Cosing Pressure	A77 / 2 (ER RECORD BOTTOM umber) Con Method (Flo	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN SCREEN J2. A DEPTH I UCTION ing — Size and Oil — Bbl.	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water - Bbl - Bbl.	T SQUE	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record (12430-48 12128-203 33. Date First Production Date of Test Flow Tubing Press.	A 8 36 29 LIN TOP (Interval, size and n 30 3 Producti Hows Tested Casing Pressure Sold, used for fuel,	A77 / 2 (ER RECORD BOTTOM umber) Con Method (Flo	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN SCREEN J2. A DEPTH I UCTION ing — Size and Oil — Bbl.	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water - Bbl - Bbl.	T SQUE	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31. Perforation Record (12430-48 12128-203 33. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas (A 8 36 29 LIN TOP (Interval, size and n 30 3 Producti Hows Tested Casing Pressure Sold, used for fuel,	A77 / 2 (ER RECORD BOTTOM umber) Con Method (Flo	PROD mwing, gas lift, pump Prod'n. For Test Period	SCREEN SCREEN SCREEN J2. A DEPTH I UCTION ing — Size and Oil — Bbl.	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRACE NTERVAL type pump) Gas - MCF	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water - Bbl - Bbl.	T SQUE	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31. Perforation Record (12430-48 12128-203 33. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas (35. List of Attachments	LIN TOP CInterval, size and n Construction Casing Pressure Sold, used for fuel,	ER RECORD BOTTOM umber) Chole Size Calculated 2 How Rate vented, etc.)	PROD maing, gas lift, pump Prod'n. For Test Period 4- Oil - Bbl.	SCREEN SCREEN SCREEN 32. A DEPTH I UCTION ing — Size and Oil — Bbl. Gas — MC	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRAC NTERVAL type pump) Gas - MCF Water	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water — Bbi — Bbi. Test Witnes.	RECOR T SQUE D KIND Status () G Oil Gro	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record of 12430 - 48 12128 - 203 33. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas (35. List of Attachments 36. I hereby certify that	LIN TOP CInterval, size and n Construction Casing Pressure Sold, used for fuel, the information sho	ER RECORD BOTTOM umber) Chole Size Calculated 2 How Rate vented, etc.)	PROD maing, gas lift, pump Prod'n. For Test Period 4- Oil – Bbl.	SCREEN SCREEN SCREEN SCREEN OEPTH I DEPTH I OII - Bbl. Gas - MC	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRAC NTERVAL type pump) Gas - MCF Water	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water — Bbi — Bbi. Test Witnes.	RECOR T SQUE D KIND Status () G Oil Gro	Prod. or Shut-in)
CASING SIZE 13 3/8 95/8 7 29. SIZE 31, Perforation Record of 12/30-48 12/28-203 33. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas (35. List of Attachments 36. I hereby certify that	LIN TOP CInterval, size and n Construction Casing Pressure Sold, used for fuel, the information sho	ER RECORD BOTTOM umber) Chole Size Calculated 2 How Rate vented, etc.)	PROD maing, gas lift, pump Prod'n. For Test Period 4- Oil - Bbl.	SCREEN SCREEN SCREEN SCREEN OEPTH I DEPTH I OII - Bbl. Gas - MC	350 SX 24545X 7005X 30. SIZE CID, SHOT, FRAC NTERVAL type pump) Gas - MCF Water	TUBING DEPTH SE TURE, CEMEN AMOUNT AN Well Water — Bbi — Bbi. Test Witnes.	RECOR T SQUE D KIND Status () G Oil Gro	Prod. or Shut-in)

DATE /2-20-82	WELL NO. 5-E	LEASE ARCO-T.D. POPE	FIELD DENTON DEVONIAN
LOCATION <u>5EC. 36, T/</u> 330' FWL {	45 R37E, 1980 FNL	SIGNED J. BOUBEL	G.L. 3803' D.F. NA K.B. NA ZERO NA
	133/8", 48 #, SURFACE	IFT CSG. SET @ 311' W/ E, HOLE SIZE 17'14"	350 SX. CMT, CIRC. 70
	95/8", 36 #/F1 SURFACE,	CSG. SET @ 4774' W/ 29 HOLE SIZE 1234"	454 SX., CIRC. TO
•	ποc @ 8585' ((TEMP. SURVEY)	
	DEVONIAN: 12/2	8'-203', 12430'-480' , 45P	PF TOTAL LOO HOLES
	PBTD 12502'	5. SET @ 12642 W/700 SI V), HOLE SIZE 83/4"	

EASE "DENTON WOLFCAMP UNIT TO BYTM DIWL "7-8 WOLFCAMP IELD DENTON WOLFCAMP

EA COUNTY, N.M.

Carried Miles

PRESENT COMPLETION SKETCH G.L. - 3801' D.F. - 3816'

13 % "- 36 # SET @ 314" W/ 350 SX (CMT CIRCULATED) HOLE SIZE -17"/4"

TOCE 2060' BY TEMP SURVEY

DOWNHOLE EQUIPMENT 9450-21/8" J-SC BRO EXE TBG-21/8" X7" TBG ANCHOR

95/8"-40 \$36" SET @ 4778" W 2480 SX HOLE SIZE - 12"4"

_ TOC @ 8640' BY TEMP SURVEY

PROPOSED WOLFCAMP PERFS (FROM SIMULTANEOUS RADIATION LOG)
9212-0450 (99 HOLES)

70C 9600' CIBP SUT @ 9620' - CAPPED W 105x CAL-SEAL

7'-SET@ 12640'W/B75 5x 23#- 0 - 3803' 26#- 3803'- 6928' 29#- 6928'- 10342' 32#-10342'-12640'

M.L. MORRIS 19/22/81

Form C-105 Revised 10-1-78 STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION Sa. Indicate Type of Lease P. O. BOX 2088 DISTRIBUTION State SANTA FE, NEW MEXICO 87501 SANTA FE 5. State Oil & Gas Lease No. FILE U.S.G.S. WELL COMPLETION OR RECOMPLETION REPORT AND LOG LAND OFFICE OPERATOR ID. TYPE OF WELL 7. Unit Agreement Name پيدر 🗵 8. Farm of Lease Name CANTA FE 4. Location of Well LOCATED 1650 FEET FROM THE WEST EC. 36 1WP. 145 NGE. 37E NMPM 16. Date T.D. Reached 17, Date Compl. (Ready to Prod.) 16. Elevations (DF, RKB, RT, GR, etc.) 19. Elev. Cashinghead 7-26-53 21. Plug Back T.D. 7-27-53 22. If Multiple Compl., How Many 23. Intervals Drilled By , Rotary Tools Cable Toois 25. Was Directional Survey T.A. 'd Dince 2-18-80 27. Was Well Cored 28, CASING RECORD (Report all strings set in well) CASING SIZE WEIGHT LB./FT. DEPTH SET HOLE SIZE CEMENTING RECORD AMOUNT PULLED 30054 26,23 LINER RECORD 29. 30. TUBING RECORD SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 31. Perforation Record (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 12530-12635 DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) Date of Test Gas - Oil Patio Hours Tested Choke Size Pred'n. For Oil - Bbl. Gas - MCF Water - Bbl. Test Period Oil Gravity - API (Corr.) Flow Tubing Press. Casina Pressure Oil - Bbl. Gas - MCF Water - Bbl. Caiculated 24-

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

Test Witnessed By

34. Disposition of Gan (Sold, used for fuel, vented, etc.)

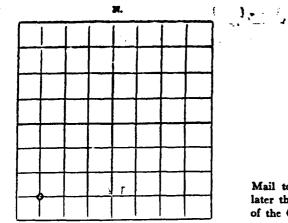
35. List of Attochments

SIGNED

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TITLE

date <u>/2-20-82</u>	well no. 2-N	LEASE ARCO - T.D. POPE	FIELD DENTON DEVONIAN
LOCATION <u>SEC. 36.714</u> 1650' FW	15 R37E L'É660'FSL	SIGNED J. BOUBEL	G.L. 3800' D.F. NA K.B. NA ZERO NA
	133/8", 48 78 SUA	8 #/FT CSG. SET @ 313. RFACE, HOLE SIZE 171/4	'w/300 SK.KMT, CIRC. 11
	95/8", 36 \$40 TO SURFA	0 #/FT CSG. SET @ 4768 ACE, HOLE SIZE 12/4"	" W/1700SK. CMT, CIRC.
·	- 70c € 5650	O' (ESTIMATED)	
		530'-12635', 45PF, TOTAL	_ 420 HOLES
PROGRAMA	PBTD 12647' 7", 23, 26, 29, \$35 @ 5650'(6	ESTIMATED), HOLE SIZE S	1' W/ 600 SX.CMT, TOC 33/4"

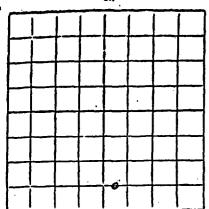


NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico DEC 21 1953 OIL CONSERVATION COMMISSION

WELL RECORD HOBBS-OFFICE

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.

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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

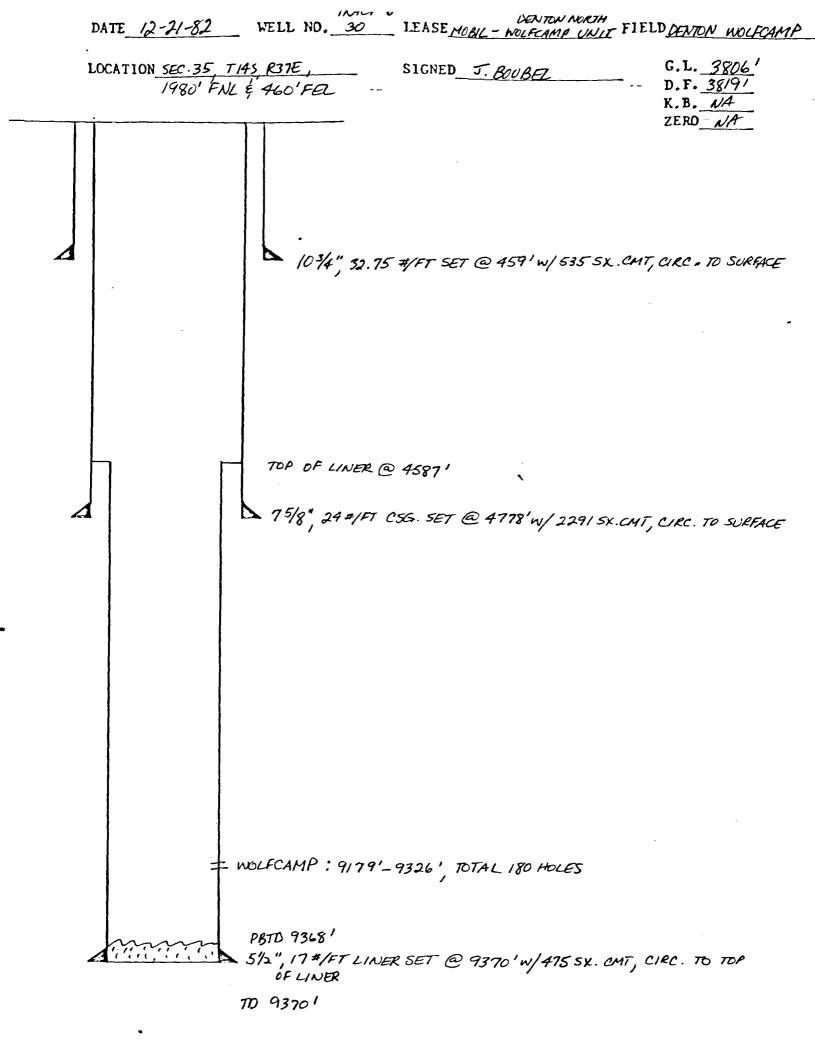
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DATE /2-2	0-82 WELL NO. 4-1	LEASE ARCO - T.D. POPE	FIELD DENTON DEVONIAN
LOCATION <u>SEC</u> 330'	.36, THS R37E, FWL & 1815' FSL	SIGNED J. BOUBEL	G.L. 3800' D.F NA K.B. NA ZERO NA
	13 3/8", 49 SURF.	8#/FT CSG. SET @ 317' W/ ACE, HOLE SIZE 17'/4"	1350 SX.CMT,-CIRC. TO
	95/8", 36 = SURFAC	#/FT CSG. SET @ 4765' W CE, HOLE SIZE /2 ³ /4"	1/2816 SK. CMT, CIRC. TO
	= DEVONIAN: 12	1525'-12615', 4 SPF, TOTAL	360 HOLES
17.11 6	PBTD 12634' 7", 23,26,29; TOC @ 86 TD 12641'	32, \$35 #/FT CSG. SET @ 660' (TEMP. SURVEY), HOLE	12641' W/600 SX.CMT, SIZE 83/4"

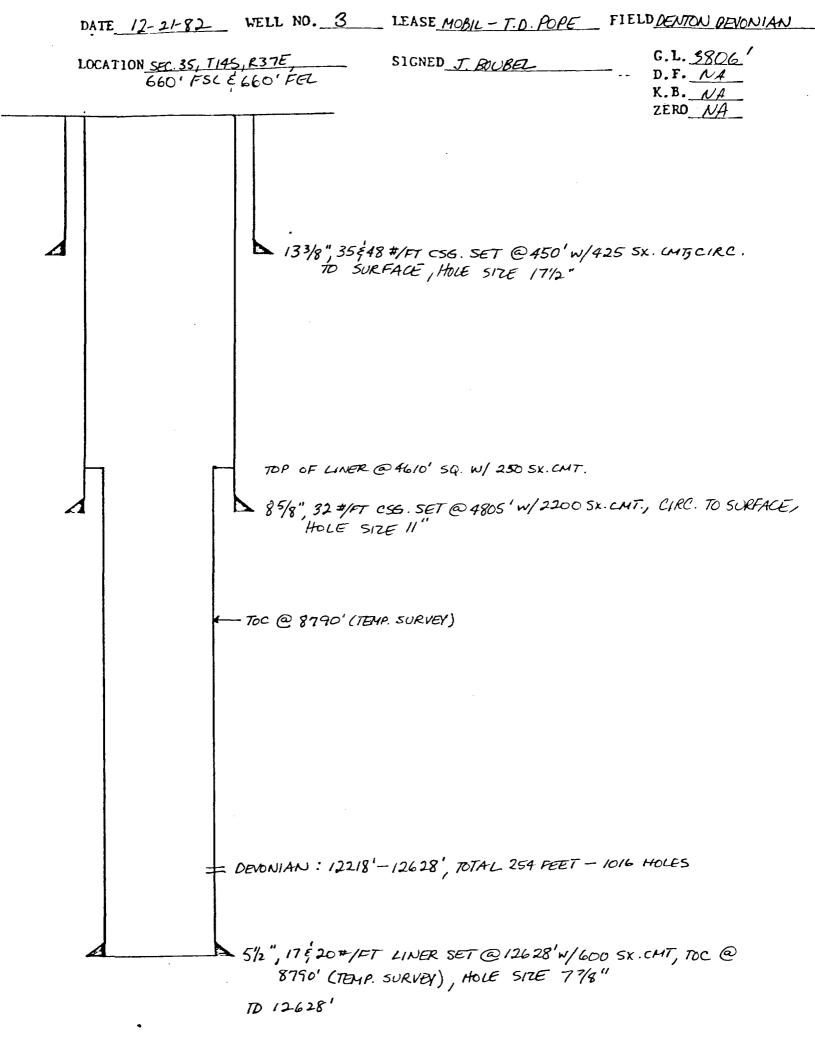
ENERGY AND MINERA	LS DEPARTMENT			~:^!				
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OPERATOR			•			•		
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b. TYPE OF COMPLE	WELL ETION	WELL	DRY	OTHER_	VVIII II	' 	B. Farm of	r Lease Name
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2. Name of Operator	EK DEEPEN	SACK L	RESVN.L	DTHER			9. Well No	o.
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UNIT LETTER	LOCATED	FEET FR	OM THE TOT	LINE AND	monn	FEET FROM	12. County	777777777;;
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THE PAST LINE OF	SEC. 25 TW	P. 14 > AGE	5/C NMPN		7171X77	777777		
15. Date Spudded	B	ached 17. Date (Prod.) 18. 1				elev. Cashinghead
10-13-53	11-50	-53 / <i>a</i>	7-1-53		3806	6.6		NA
20. Total Depth	21. Plug	Back T.D.	22. If Multip Many	le Compl., Ho	w 23. Inter	vals , Rota led By i		Cable Tools
9370	1 . 9	368	_	NA		-> :	NA	NA
24. Producing Intervall				•				25. Was Directional Survey Made
100/10	canip	9,70%	77001					Vec
WOIT	cann	-// /-/	120-1					145
26. Type Electric and (Other Logs(Run						27.	Was Well Cored
NA								NA
28.		CASI	NG RECORD (Rep	ort all strings	set in well)			
CASING SIZE	WEIGHT LB./	FT. DEPTH	l l	LE SIZE	CEM	ENTING RE	CORD	AMOUNT PULLED
103/4"	32,75	.459	7	5"	450	SX,		
7 5/8"	21 + 26.	4 477	8 9	7/8"	1927:	5×,		
5 1/2"	17	93-	70 6	3/4"	62551	<i>、</i>		
29.	LII	VER RECORD			30.		TUBING REC	CORD
SIZE	ТОР	воттом	SACKS CEMENT	SCREEN	SIZE	E D	EPTH SET	PACKER SET
5/2"	4587	9370	625 SX.	ι. Δ				
				N J				
31. Perforation Record	(Interval, size and i	number)		32.	ACID, SHOT,	FRACTURE	, CEMENT S	QUEEZE, ETC.
•				DEPTH	INTERVAL			IND MATERIAL USED
								· · · · · · · · · · · · · · · · · · ·
	,							
33.	 		PROD	UCTION				
Date First Production	Product	ion Method (Flow			d type pump)		Well Stat	us (Prod. or Shut-in)
		,		-				
Date of Test	Hows Tested	Choke Size	Prod'n. For	OII - Bbl.	Gas - M	CF Wa	ter – Bbl.	Gas - Oil Ratio
			Test Period		1	1		
Flow Tubing Press.	Casing Pressure	Calculated 24-	O11 - Bbl.	Gas - N	ICF	Water - Bbl.	Toi	Il Gravity - API (Corr.)
-		Hour Rate			1			
34. Disposition of Gas	(Sold, used for fuel,	vented, etc.)	1			Te	st Witnessed	Bv
						.		
35. List of Attachments								
36. I hereby certify that	the information sho	own on both sides	of this form is tru	e and complet	e to the best o	of my knowle	dge and belie	:f.
CO	PIED FRO	4 HOBBE	DISTRICE	TOFFIC	re-			•
SIGNED			TITLE				DATE	

STATE OF NEW MEXICO

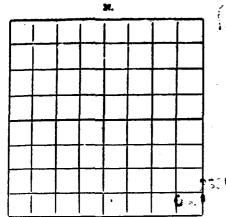


STATE OF NEW MEXICO

DISTRIBUTION SANTA FE SANTA FE, NEW MEXICO 87501 FILE U.S.G.S. LAND OFFICE OPERATOR DEFPEN DISTRIBUTION P. O. BOX 2088 State Fee S. State Oil & Gas Lease No. TO Unit Agreement Name 7. Unit Agreement Name 8. Farm of Lease Name T.D. Pope 2. Name of Operator MODIL 3. Address of Operator 10. Field and Pool, or Wildcat Denton Devonian	NO. OF COSTO RECE		OIL	ONSERVA	ATION D	IVISIO	N	[30 To	dicate T	vne of Lense
SANTA FE, NEW MEXICO B7501 FIRST TIPE OF COMPLETION OR RECOMPLETION REPORT AND LOG Completion Completio	<u> </u>			P. O. BC	X 2088			1		
First			SAN	ITA FE, NEV	W MEXICO	87501		L		
Corporation Control of Contro	FILE									20000
Determined		W	ELL COMPLE	TION OR REC	OMPLETIO	N REPOR	T AND	LOG TO	7777	mmmm
TYPE OF COLUMN WELL Set Orall					•					
Section of Course Cou							· · · · · · · · · · · · · · · · · · ·	7. Un	11 Agreen	nent Name
8. Type Control of Con		OIL	IVI GAS I	·	1				,	
2. Name of Operator 2. Name of Operator 3. Nadishas of Operator 4. Location of Well Water Letters	b. TYPE OF COMPLE	WELI	LIXI WELL!		J OTHER			8. Fa	rm or Lec	ase Name
3. Address of Operator 4. Location of Wei] 10. Field and Pool, or Wildow Devicing in Personal Production of Wei] 11. Control of Wei] 12. Field and Pool, or Wildow Devicing in Personal Production of Wei] 13. Data Specified 16. Duta TD. Recched 17. Data Compil. Ready to Prod., 18. Elevations (DF. RAB, RT. GR. etc.) 18. Elevat			PLU6 [DIFF.	1					
4. Lecetion of Well Vest Post State		ER DEEPEI	N BACK L	ESVR.	J OTHER			9. We	II No.	ope
4. Lecetion of Well Vest Post State	Mobi								3_	
4. Location of Well Unit Lettes P Locate GOO rect read that SOUTH Line and GOO rect read 12. County THE GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 145 acc. 37E mem 12. County The GOST Line or sec. 35 twp. 15. County The GoST Line or sec. 35 twp. 15. County Th	3. Address of Operator			•				3		
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28. Total Depth 21. Flug back T.D. 22. II Multiple Compl., How 23. Intervals Rotary Tools Cable Tools 126.28 126.28 NA NA NA NA NA NA NA N					(11111)	////X//	/////	//// 12. C		, ////////////////////////////////////
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13 3/8" 35.6 450 17" 425 5X 858" 32 4805 11" 3500 5X 5/2" 17 12 (28 778" 750 5X 750		WEIGHT LB /						PECOPO		AMOUNT PIN I FO
29. = LINER RECORD SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 5/2" 4010' /3C28' 7CD SX. NA 31. Perforation Record (Interval, size and number) 12. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 12. J18 - /26.28 25.4 Feet 10.16 hoks 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 33. PRODUCTION Date of Test Hows Tested Choke Size Prod'n. For Test Period Test Pretiod Test Pretiod 34. Disposition of Gan (Sold, used for fuel, vented, etc.) Test Witnessed By 35. List of Attachments 36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.			· 					3 KECOKD		AMOUNT FULLED
29. + LINER RECORD SIZE TOP BOTTOM SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 5/2" 46/0' 12628' 7505. NA 31. Perforation Record (Interval, size and number) 12. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 12. 218 - 12628 254	951011				1 "					
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Flow Tubing Press. Casing Pressure Calculated 24-Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.) 34. Disposition of Gan (Sold, used for fuel, vented, etc.) Test Witnessed By 35. List of Attachments 36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		Produc	tion Method (Flow	ing, gas lift, pum	ping - Size an	d type pump	,	Well	Status (1	Prod. or Shut-in)
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35. List of Attachments 36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.	Flow Tubing Press.	Casing Pressure		Oil - Bbl.	Gas I	MCF	Water -	Вы.	Oil Gro	rvity - API (Corr.)
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36. I hereby certify that the information shown on both sides of this form is true wid complete to the best of my knowledge and belief.	25 I lot of tweeter-t-							<u> </u>		
	33, LIST OF ATTGCRMENTS				•	•				
COPYED FROM HOBBS DISTRICT OFFICE							t of my kn	owledge and	belief.	
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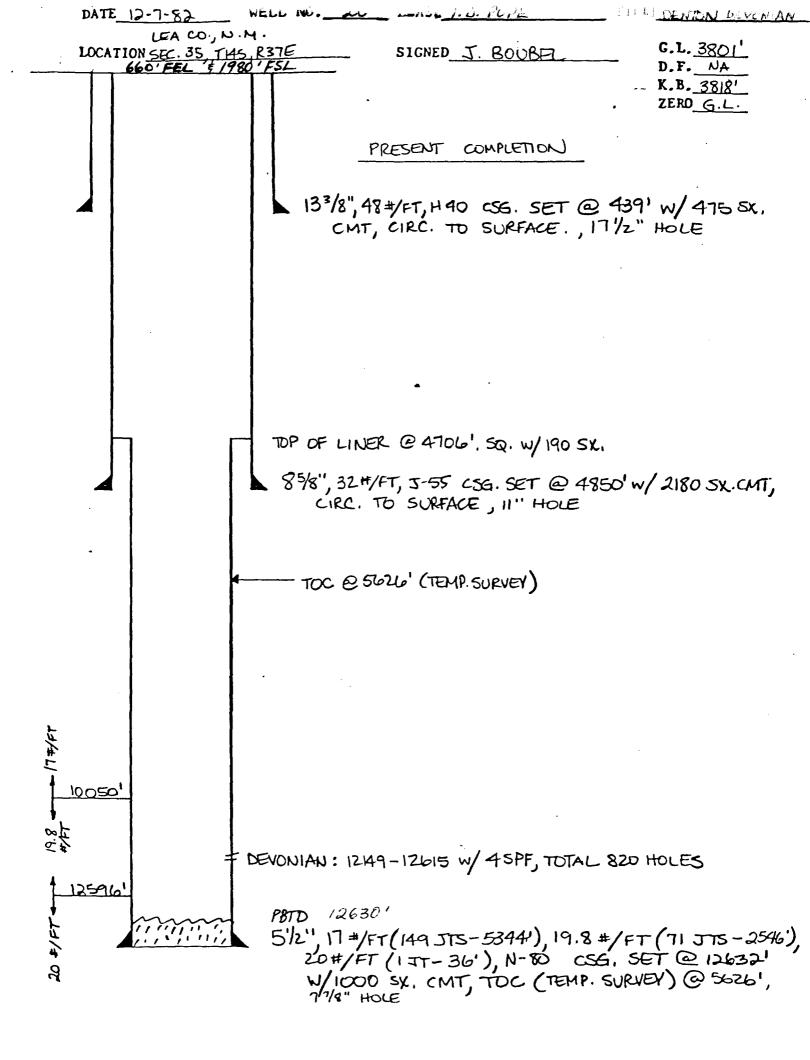
Depth Cleaned Out.....



NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

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Vell No		, in		¼ of	1/4	, of Sec	, T.			SOCO	, NMBM
: 027	sor Wa			For the		Pool,line and	<u> </u>	************	<u></u>	I.E. FICE	A County
Vell is		fe	et from		• • • • • • • • • • • • • • • • • • • •	line and			feet from		lin
f Section	3 2	:	If Si	ate Land the	Oil and	Gas Lease No. 9	isT	1001	16.		53
Orilling Com	menced	141.				9	g was Complete	d			, 19
lame of Dri	lling Contra	ctor		Orac	Nan - f	ec.	······································	***************************************			***************************************
\ddress			, 	8	100g	F.		*************			
						F.	The i	nformatio	n given is to	be kept con	fidential unti
			************	, 19							
						SANDS OR Z			•		
lo. 1, from	9179		tc	9017		No. 4	, from		to	*****************************	***************************************
lo. 2, from			to			No. 5	, from		to		
lo. 3, from	••••••		to			No. 6	, from		to	***********	
				_							
	on mass of -			_		FANT WATER rater rose in hole					
						ater rose in non		£4			
•										*******************	
io. 4, irom		••••••		to	·		*******************	Icct.	***************************************	·····	
		··.			C	ASING RECO	RD	, -	· · · · · · · · · · · · · · · · · · ·		
SIZE	WEIG PER F		NEW (OUNT	KIND OF SHOE	CUT AND PULLED FROM	(PER	FORATIONS	PUI	RPOSE
20 (1) kg	3.7		क्रि		Sur y					3-2	ao kurin
			िट्य इंटर		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A.W.	Arran be	
5 1	2 -• •		€ n ()				<u> </u>	(); **)-	37.27	- FU. 3	e son i e
	<u> </u>	1				,				!	
_				MUD	DING A	ND CEMENT	ING RECORI) 			
SIZE OF HOLE	SIZE OF CASING		TERE SET	NO. SACK OF CEMEN	S T	METHOD USED		MUD GRAVITY		AMOUNT MUD US	OF SED
<u> </u>	10.27	-	4.7		:	10 11 11	æ.			+	
7 7/8	7 7/0	3.4		- 6.5		12.1				7	
63.6	2 ;	4 4	745 (See			S. Alexander and C. Parish S.			 -		
		!			<u>i</u>		!				· · · · · · · · · · · · · · · · · · ·
				RECORD	OF PI	RODUCTION A	ND STIMUL	ATION			
					ed, No.	of Qu. or Gal	s. used, interva	l treated	or shot.)		
***************************************		ce s		i Exect	**********			***************************************		••••••	***************************************
				****************	*********	***************************************		******			***************************************
						14000000000000000000000000000000000000		-			
Result of Pro	eduction Stir	nulatio		•		*****************					
	a					,		********		******	

STATE OF NE										•		sed 10-1-78
ENERGY AND MINERAL		VT.	OII (CONS	FRV	ATION E	OLVI	SIOI	N			
DISTRIBUTIO			012			X 2088			. •	1	·	Type of Lease
SANTA FE	~		SAI			V MEXICO	3 875	01			State L	Fee 6 Gas Lease No.
FILE			-							3.0	idie on i	a das Lease 140.
U.S.C.S.		WELL	COMPLE	TION O	R REC	OMPLETIC	N RE	POR'	T AND L	0G ///	7777	mmmm
OPERATOR								,				
10. TYPE OF WELL		·			· · · · ·					7. 0	nit Agree	ement Name
	•	1. K	GAS WELL		Ι	}	7	7 1	4			
b. TYPE OF COMPLE		ودد بکرا	WELL	L	DRY L	OTHER		 		8. F	arm or L	ease Name
WELL OV	RK DEE	PEN 🔲	PLUG BACK	D1	FF.	OTHER					T. D.	. Pope
2. Name of Operator	<u> </u>									9. W	ell No.	
\mathcal{M}^{c}) b!						IAN	271	<u>583 </u>		20	
3. Address of Operator							وجود والماد الماد			19.19	Field and	Pool, or Wildcat
						المالية			DIVICE MC	10N/Je	MOL	1 bronian
4. Location of Well						A	J.A.	MA	FE			
T	-	660	1	10M THE _	000	,₽	19	Con	,			
UNIT LETTER	LOCATED	000	PEET FI	- 347 MO	eas	LINE AND	777	***	FEET FE		County	77747477
Now. H	25	_ 1	45 RG	. RT	I			XII		///	lea	
THE WUT Theine or	16. Date T.D.	Reached	1 17. Date	Compl. /R	eady to	Prod.) 18.	Elevati	ions (D	OF, RKB, R	T. GR. etc		Clev. Cashinghead
5-23-53		7-53		1-5			3	Sn1	1 6.0			NA
20. Total Depth		lug Back		22.	li Multip	le Compl., Ho	ow /		ervals , F	Rotary Top	- \	, Cable Tools
1263:	L '	176	30		Many	NA	İ	Dri	lled By		NA	NA
24. Producing Interval	s), of this comp	etion —	Top, Bottom	, Name	•		•				25	, Was Directional Survey Made
D 0	0- (-	-1	10.								- 1	1/ L
Devon		(A)	161	19-	166	15						<i>rr</i>
26. Type Electric and (NA Run										27, Wa	s Well Cored
28.			CAS	ING RECO	ORD (Rep	ort all string	s set ir	wall)				······································
CASING SIZE	WEIGHT L	3./FT.	DEPTH		но	LE SIZE		C E.	MENTING	RECORU		AMOUNT PULLED
133/8''	48		439	? 	1-	71/2"	47	5 5	X .			
85/8"	32		48			7 7	21	80_	5K1			
5//2 *			126	32		17/8"	100	00	5x,			
29,		1 13150	RECORD		L		<u> </u>			TUBLU	o beco	1
SIZE	тор	T	OTTOM	SACKS C	ENCHT	SCREEN		50. 51 Z	· e	DEPTH S	G RECO	PACKER SET
51/2 "	4706		2632		5 SX	·	·		-	DC/ IN .		TACKER SET
			0 10	1000	م د ر					······································		
31. Perforation Record	(Interval, size a	nd numbe	r)			32.	ACID,	SHOT	, FRACTU	RE, CEME	NT SQU	EEZE, ETC.
12-14-9-11	2615	15	PF			DEPTH	INTE	RVAL	,	A THUOMA	ND KIND	MATERIAL USED
12149-1				•								
ઈ.	20 HC	LES	•								-	
•												
13					BOOD	UCTION						
33. Date First Production	Pro	duction M	lethod (Flou	ing, gos l		UCTION ing - Size of	nd type	ритр)		Wel	1 Status	(Prod. or Shut-in)
			·	U . U	• • • •	•	.,					
Date of Test	Hows Tested	Ch	oke Size	Prod'n.		OII - Bbl.		ias — I	MCF .	Water — B	bl.	Gas-Oil Ratio
		•		Test Pe								
Flow Tubing Press.	Casing Press		lculated 24- our Rate	OII - B	bl.	Gas - 1	MCF		Water - B	bl.	Oil C	Cravity - API (Corr.)
34 100	(Cald the state of		>	<u>J</u>		1				TD	<u> </u>	
34. Disposition of Gas	soia, used for f	uci, vent	ea, esc.)							Test Witne	essed By	•
35. List of Attachments												
36. I hereby certify that	the information	shoun o	n both sides	of this fo	rm is tru	e and comple	te to th	e best	of my know	wledge and	belief.	
COPIL	D FRO	H KK	1885 -	Y STE	CT	SPICE	•		•		4-	
SIGNED	<u>.</u>				LE					_ DATE	-	-
											·	



Mobil Producing Texas & New Mexico Inc. Denton North Wolfcamp Unit Well No. 7-7 Sec. 36, T14S, R37E 1980'FSL & 1650'FWL

Tabulated data of all plugged and abandoned wells on public record within area of review.

PLUGGED WELLS OPERATOR

WELL NUMBER	LOCATION	DATE DRILLED	DEPTH
MOBIL PRODUCING TX. & N.M.	INC.		
TR7 10	36-14S-37E		9370'
TR8 3 G	36-14S-37E	·	12,641'
ARCO			
TR8 12 K	36-14S-37E	11/21/54	9470'

Sketch & Construction Data found on attachments for these wells.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

ENERGY AND MINERAL		OIL C	ONSERVA	TION D	IVISION	VI				
au, er terits eteti		OIL C			1 1 15101	•			ype of Lease	_
DISTRIBUTION SANTA FE	'	P. O. BOX 2088 SANTA FE, NEW MEXICO 87501					1	ate		Fee
FILE		JAN					5. Sta	e On &	Gas Lease No	5.
U.S.G.S.	WF	II COMPLE	TION OR REC	OMPLETIO	N REPORT	AND L	.0G .	~~~	mm	am
LAND OFFICE		LL COM LL	·	O 221.0					////////	./////
OPERATOR							2 115	77777	nent Name	777777
la. TYPE OF WELL	01L [DiA		7. 0111	i Agreen	ient Name	
b. TYPE OF COMPLE	WELL	weld	DRY	OTHER_	TAN.		- P For	m or l e	ase Name	
NEW [WO	* K [] [DIFF.	1						1\ `_4
2. Name of Operator	AL DEEPEN	BACK L	MESVA.	OTHER) Wel	<u>でかり</u>	J. Wolfcan	TINU GE
Malail			•	13	N D 7 198	3 111				
3. Address of Operator							10. F1	eld and	Tract Pool, or Wildo	
				CIL CONS	FRIATION	D.V.S.			Wolfe	
4. Location of Well					SANDA FE			Till I	imi	Will.
								/////		
UNIT LETTER	18	30	nort	h	730			11111		//////
	•			11111	111111	11111	12. Co	unty	77/////	<i>HH</i> ;
THE WST LINE OF	3/	145	27 E		///////		10	'a		./////
15. Date Soudded	16. Date T.D. Rea	ched 17 Date (Compl. (Ready to	Prod. J IR I	Clevetions (D	F. RKB	RT. GR. etc.	19. E1	ev. Cashinghe	•aq 777777.
		17, 25, 6	sompii (Meas) to	10	29	0516	. <i>I</i>	13, 2	arr oddiningine	
20. Total Depth	21. Plug E	Back T.D.	22. If Multip	le Compl., Ho	<u>ンの</u> w 23. Inte	rvals	Rotary Tools	<u> </u>	Cable Tools	
9370		364'	Many	NA	Dri	lled By	NA		MA	
24. Producing Interval(s			Name				'\/	25.	Was Direction	nai Survey
•									Made	-
1/4,	4								NA	
26. Type Electric and C	ther Logs Run				<u> </u>			27. Was	Well Cored	
NA								٨	1A	
28.		CASI	NG RECORD (Res	ort all strings	set in well)					
CASING SIZE	WEIGHT LB./F	T. DEPTH	SET HO	LESIZE	CE	MENTING	RECORD		AMOUNT F	ULLED
133/8	35.6	. 310	7	71/2	350	SX.				
95/8	36 + 45			2'/4	2850					
7	23426	93-	70	83/4	125 5	χ.				
29.	LIN	ER RECORD			30.		TUBING	RECOR	D	
SIZE	ТОР	BOTTOM	SACKS CEMENT	SCREEN	SIZ	ε	DEPTH SE	т	PACKER	SET
			·					·		
31. Perioration Record	Interval, size and n	umber)		32.	ACID, SHOT,	, FRACTI	JRE, CEMEN	T SQUE	EZE, ETC.	
0.11 - 93	46 P4	A		DEPTH	INTERVAL		AMOUNT AN	DKIND	MATERIAL U	SED
9146-17	10 1	<i>7</i> 1								
							· · · · · · · · · · · · · · · · · · ·			
•							············			
				<u></u>						
33.	I Producti	M-N-4 (F)		UCTION	J 4		Lwan	Sa=4= /	Danid - Cl. 4	·
Date First Production	Producti	on Method (Flow)	ing, gas lift, pump	iing – size an	a type pumpj		Metr	Status (1	Prod. or Shut-1	,n)
Date of Test	Hours Tested	Choke Size	Pred'n. For	Oil - Bbl.	Gas - N	/CF	Water — Bbl.		as - Oil Ratio	i
Date of Yest	1000 1000	Choke Size	Test Period	011 = 201.		,,C1			us = On Hand	
Flow Tubing Press.	Casing Pressure	Calculated 24-	OII - Bbl	Gas N	I	Water - 1	l	011 6+	avity - API (Corr. 1
, , .vujo,	,	Hour Rate							AF1 (1	:
34. Disposition of Gas (Sold, used for fuel.	vented, etc.)	1				Test Witnes	sed By		 ;
								,		!
35. List of Attachments			 				L.,			
36. I hereby certify that	the information sho	un on both sides	of this form is tru	e and complet	e to the best	of my kno	ruledge and b	elicf.		
	HELD FRE					-	-	-		
SIGNED			TITLE	~ -, -,			DATE			ļ

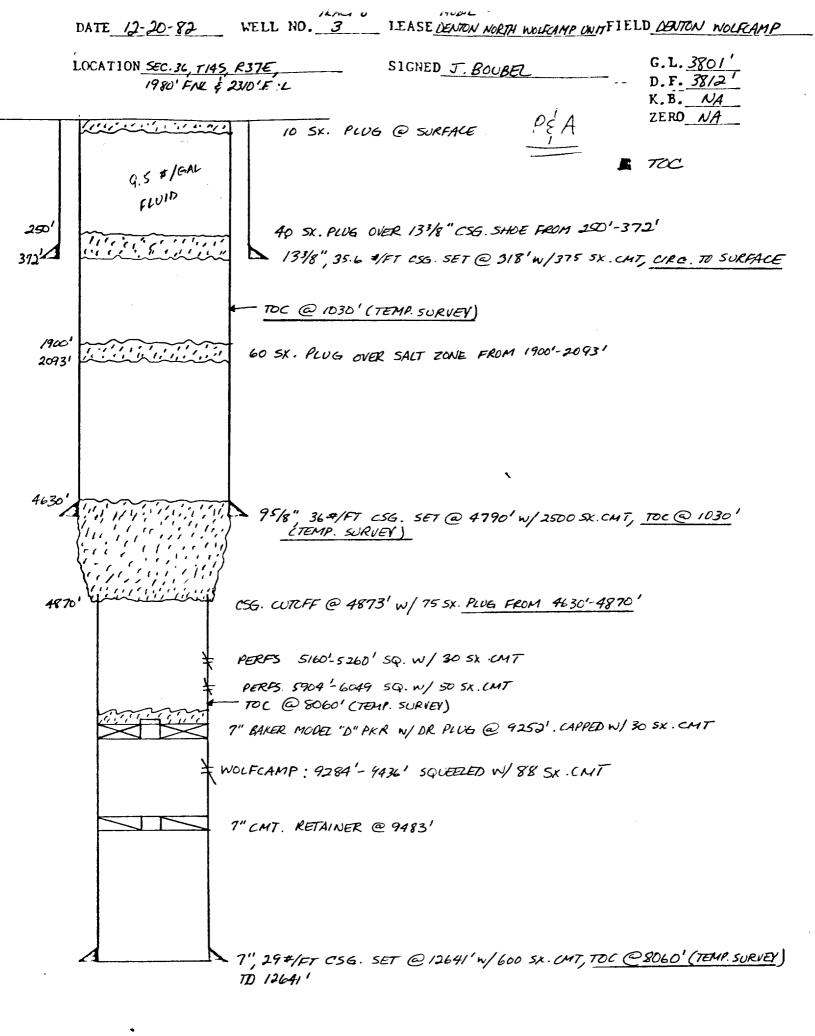
DATE 12-20-82 WELL NO. 10 LEASE DENTON NORTH WOLFCAMP FIELD DENTON WOLFCAMP G.L. 3805 SIGNED J. BOUBEL LOCATION SEC. 36 TI45 R37E, D.F. 3816/ 1830' FNL & 330' FWL ... K.B. NA ZERO NA continue in the 10 SX. PLUG AT SURFACE 9.5 #/GAL E TOC PLUID 60 SX. PLUG ACROSS 133/8" CSG. SHOE FROM 270'-370' 133/8" 35.6 #/FT CSG. SET @ 319'W/350 SX. CMT, EIRC. TO TOC @ 915' (TEMP. SURVEY) 2000 60 SX. PLUG OVER SALT ZONE FROM 2000'-2150' 2150 65 SK. PLUG ACROSS 95/8" CSG. SHOE FROM 4603'- 4803' 4603' 95/8", 36 & 45 #JFT CSG. SET @ 4759' W/ 2850 SX. CMT, TOC @ 48031 915 (TEMP. SURVEY) 5078 CSG. CUTOFF @ 5213' W/ 55 SX. PLUG FROM 5078'-5261' TOC @ 8151' (ESTIMATED) 7" CMT. RETAINER @ 9060' W/ 120' (255x.) CMT ON TOP. WOLFCAMP: 9146'-9346', POTAL 236 HOLES PBTD 9364' 7", 23 = 26 #/FT CSG. SET @ 9370' W/125 SX.CMT, TOC @ 8/51" (ESTIMATED) TO 9370'

DATE _

5. 2.2. 07 mm								
5. List of Attachments								
							·	
4. Disposition of Gas	i Sold, used for fue	l, vented, etc.)	1			 -	Test Witnessed	Ву
Tiow Tubing Press.	Casing Pressure	Calculated 24 Hour Rate	- Oil - Bbl.	Gas	MCF	Water — E	Bbl. OI	1 Gravity - API (Corr.)
Oate of Test	Hows Tested	Choke Size	Prod'n. For Test Period	Off - Bbl.	Gas -	MCF	Water — Bbl.	Gas - Oil Ratio
Date First Production	Produ	ction Method (Flor	ving, gas lift, pump	ing — Size a	nd type pump	,	Well Stat	us (Prod. or Shut-in)
33.				UCTION				
				<u></u>				
	. 8	8 5K,	•					
4284 - 9	456' 54	PUEEZED 8 SX,	~/	DEFTI	. IN LERVAL		AMOUNT AND K	MA MATERIAL USED
11. Perioration Record			/	32.	ACID, SHO		IRE, CEMENT S	QUEEZE, ETC.
1) Dada-di- 5	(1-1			1.0	1515		DE CELIE	
SIZE	ТОР	BOTTOM	SACKS CEMENT	SCREEN		ZE	TUBING RE	PACKER SET
29,		INER RECORD		•	30.		TUDING DE	CORD
7	29	126	241 8	3/4	600	SX,	,	
95/8	36	47		1/4	2580	SX.		
133/8	35.6			1/2		SX,		
CASING SIZE	WEIGHT LB.			LE SIZE		EMENTING	RECORD	AMOUNT PULLE
28.		CA:	SING RECORD (Res	oort all string	s set in wel	l)		. / / / !
k) A	· ·						27.	NA-
26. Type Electric and C	Other Logs Run							Was Well Cored
	,,,,,	•, ===						Made
4. Producing Interval	s), of this complet	tion - Top, Betton		197		<u> </u>	NA	25. Was Directional Sur
1264	21. Plu	g Back T.D.	I Manie	le Compl., H	ow 23. Ir	itervals rilled By	Rotary Tools	Cable Tools
NA	NA	.	NA			011 G.		NA
15. Date Spudded	16. Date T.D. F	Reached 17. Date	Compl. (Ready to	Prod.) 18.				, Elev. Cashinghead
THE COST LINE OF	sec. 36 ·	TWP. 145 RG	1.37E		XIIII		lea	
INIT LETTER	LOCATED	FEET P	ROM THE NOT 1	LINE AN	77777		ROM 12. Count	7777/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/
ϵ	IC	980'	FROM THE NOT	L. LONG	SANTA F	v divisi∪ B		
4. Location of Well	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		A SECTION AND ADDRESS OF THE PARTY OF THE PA	Jan Jan Tal	1.150.000	11111	
·				: un	7 27 19	83		n Wolfcamp
MO 3. Address of Operator	DI			<u> </u>	حاد المحادث بريان حال المحاد المحاد		10. Field	and Pool, or Wildcat
2. Name of Operator	L: \				16 14 3		9. Well No	3 - Tract 8
WELL OV	AK DEEPE	EN . PLUG	DIFF.	OTHER	per management of the st		Denton	N. Wolfcamp Un
b. TYPE OF COMPLE	TION			J OTHER		· my	12	r Lease Name
	OIL	GAS WELL	<u>.</u> С	1	Da ,	4 inia	tod	,
OPERATOR							7 1 nu A	greement Name
LAND OFFICE	\ \	WELL COMPLE	ETION OR REC	OMPLETIC	N KEPUI	(I AND L		
FILE U.S.G.S.		UCL 1 COVER :		0.401 5.71	N DEDO	T AND !	_	
SANTA FE		SANTA FE, NEW MEXICO 87501				L	DII & Gas Lease No.	
DISTRIBUTIO		OIL CONSERVATION DIVISION P. O. BOX 2088					5a. Indica	te Type of Lease
ENERGY AND MINERA		T OII	CONSERVA	TIONI	אואוכור	N		
	N MEXICO						••	evised 10-1-78

TITLE _

SIGNED _



JIMIE UF NE							Revised 10-1-78
ENERGY AND MINERA		IT OU	CONSERVA	TION DU	VISION		
K#. 47 (8*16* BCCS		OIL			V 131014	1	ate Type of Lease
BANTA FE	DISTRIBUTION P. O. BOX 2088 SANTA FE SANTA FE, NEW MEXICO 87501				State		
FILE		54	CIVIA FE, IVEV	A MEXICO S	,	5. State	Oil & Gas Lease No.
U.S.O.S.		WELL COND.	CTION OF SEC	0101 571011	DEDODY 41	21.00	
LAND OFFICE		WELL COMPL	ETION OR REC	OMPLETION	REPORT AN	D FOR LILL	
OPERATOR							
In. TYPE OF WELL						7, Unit	Agreement Name
	011	L A SAS	DAY	}			
b. TYPE OF COMPLE	WE ETION	CLL JZ_33 WEL	LL DRYL	OTHER		8. Farm	or Lease Name
NEW WE	DAK [PLU	DIFF.		Du A	-	1 Poro
2. Name of Operator	EN DEEP	EN . BACI	K L RESVR. L	OTHER	1474	la well h	of Popular
X	1.0	il + la	1.Co -	-ARCO	10 x 4. 17 10.1	22 111 27	
3. Address of Operator	m c	W + M	300,	MACO	137 D (13.	00 1 1 1 F(a)	d and Pool, or Wildon
	ox 1920	n thelit	S, N.M.	والمسائد المائد	pake yiku diri dibezir serviyye e disempapire	and the same of th	1 1 1 11
	OX /100	MOUN	0,10,11		NSERVATION	1 D.VISIUNEN	ton Wolfcom
4. Location of Well			•	C , C	SANTA F	ž (///////X
ν	•	2120		<u></u>	1		
UNIT LETTER	LOCATED	FLOU FEET	FROM THE SOU	LINE AND	1650 rc	ET FROM	
1					TITIKILL	12. Cour.	a William
THE WEST LINE OF	sec. 56	1WP. 145 R	GE. 37E NMAN	HIHHA.	//////////////////////////////////////		
15. Date Spudded	16. Date T.D.	Reached 17. Dat	e Compl. (Ready to	Prod.) 18. Ele	vations (DF, R)	(B, RT, GR, etc.)	19. Elev. Cashinghead
9-29-54	11-5	-54	11-21-54	1	3801'6	SR	NA
20. Total Depth		uç Back T.D.	22. If Multip	le Compl., How	23. Intervals	Rotary Tools	, Cable Tools
9470		0467	Many	NA	Drilled B	NA	
24. Producing Interval	s), of this comple	etion - Top, Botto	m, Name	70 /1			25. Was Directional Surv
RAAM	nce 7-	5-61-					Made WA
I		- 00					
26. Type Electric and	Other Logs Hun					} 27	. Was Well Cored
1 10 1	4					į	\mathcal{N}^{γ}
28.	<u> </u>	CA	SING RECORD (Rep	ort all strings s	et in well)		N/-
28. CASING SIZE	WEIGHT LB			ert all strings s		ING RECORD	AMOUNT PULLED
		./FT. DEPT	H SET HO	LE SIZE	CEMENT		AMOUNT PULLED
CASING SIZE	WEIGHT LB	./FT. DEPT	H SET HO			8y.	
CASING SIZE		./FT. DEPT	H SET HO	LE SIZE	375 2002	5%.	(0.1890'
CASING SIZE		./FT. DEPT	H SET HO	LE SIZE	CEMENT	8y.	(0.1890'
CASING SIZE 133/2" 95/8" 7"	35.1 36 26	./ft. DEPT 6 31 476 946	H SET HO	LE SIZE	375 2002 125	5%. Dx. TO Dx. TOC	1890' Temp sur. E 1510'
CASING SIZE 133/2" 95/8" 7" 7"	35.1 36 26	./FT. DEPT 6 3/ 47/ 94/ LINER RECORD	H SET HOI 2 1 66 /6	LE SIZE 7'/Z 2'/4 73/4	375 2000 125	SY. DX. TOO DX. TOO TUBING RI	(6) 1890 Tenp Aux. E 1510, ECORD
CASING SIZE 133/2" 95/8" 7"	35.1 36 26	./ft. DEPT 6 31 476 946	H SET HO	LE SIZE	375 2002 125	5%. Dx. TO Dx. TOC	1890' Temp sur. E 1510'
CASING SIZE 133/2" 95/8" 7" 7"	35.1 36 26	./FT. DEPT 6 3/ 47/ 94/ LINER RECORD	H SET HOI 2 1 66 /6	LE SIZE 7'/Z 2'/4 73/4	375 2000 125	SY. DX. TOO DX. TOO TUBING RI	(6) 1890 Tenp Aux. E 1510, ECORD
CASING SIZE 133/2" 95/8" 7" 29. SIZE	35.6 36 26 1	./FT. DEPT 6 3/ 47/ 47/ 04/ LINER RECORD BOTTOM	H SET HOI 2 1 66 /6	LE SIZE 7'/Z 2'/4 2'3/4 SCREEN	375 2002 125 30.	TUBING RIDEPTH SET	1890 TOP AUN. E 1570' ECORD PACKER SET
CASING SIZE 133/2" 95/8" 7" 29. SIZE 31. Perforation Record	35, (36, 26, 26, 26, 26, 26, 26, 26, 26, 26, 2	LINER RECORD BOTTOM	H SET HOI 2 1 66 /6	LE SIZE 7'/Z 2'/4 2'3/4 SCREEN	375 2000 125 30. SIZE	SY. DX. TOO DX. TOO TUBING RI	1890 TOP AUN. E 1570' ECORD PACKER SET
CASING SIZE 133/2" 95/8" 7" 29. SIZE 31. Perforation Record	35, (36, 26, 26, 26, 26, 26, 26, 26, 26, 26, 2	LINER RECORD BOTTOM	H SET HOI 2 1 66 /6	SCREEN 32. AC	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA	TUBING RIDERTH SET	ECORD PACKER SET SQUEEZE, ETC. KIND MATERIAL USED
CASING SIZE 133/2" 95/8" 7" 29. SIZE 31. Perforation Record	35, (36, 26, 26, 26, 26, 26, 26, 26, 26, 26, 2	LINER RECORD BOTTOM	H SET HOI 2 1 66 /6	LE SIZE 7'/Z 2'/4 2'3/4 SCREEN	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA	TUBING RIDERTH SET	ECORD PACKER SET
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29. 31. Perforation Record 9 232 - 938 9 4 35 - 94 33. Date First Production	35, g 36 26 TOP (Interval, size an	LINER RECORD BOTTOM BOTTOM Justion Method (Flower Size Colculated 2)	PRODUING, gas lift, pump	SCREEN 32. AC DEPTH IN 9732 - C UCTION ing - Size and t	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA TERVAL 7449 ype pump) Gas - MCF	TUBING R DEPTH SET CTURE, CEMENT AMOUNT AND 17,500 Well Sto	SQUEEZE, ETC. KIND MATERIAL USED TUS (Prod. or Shut-in)
29. 31. Perforation Record 9 232 - 938 9 4 35 - 94 33. Date First Production Date of Test	35.6 36 26 TOP (Interval, size an Production Tested)	LINER RECORD BOTTOM AT (Control of the control of	PRODUING, gas lift, pump	SCREEN 32. AC DEPTH IN 9232 - C UCTION ing - Size and t	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA TERVAL 7449 ype pump) Gas - MCF	TUBING R DEPTH SET CTURE, CEMENT AMOUNT AND 17,500 Well Sto	PACKER SET SQUEEZE, ETC. KIND MATERIAL USED SUBSTAND SUBSTAND Gas - Oil Ratio
29. 31. Perforation Record 9 232 - 938 9 4 35 - 94 33. Date First Production Date of Test	35, (36, 26, 26, 26, 26, 26, 26, 26, 26, 26, 2	LINER RECORD BOTTOM Ad number) Choke Size Choke Size Calculated 2 How Flate	PRODUING, gas lift, pump	SCREEN 32. AC DEPTH IN 9232 - C UCTION ing - Size and t	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA TERVAL 7449 ype pump) Gas - MCF	TUBING RIDEPTH SET CTURE, CEMENT AMOUNT AND 17,500 Well Store Water - Bbl.	SQUEEZE, ETC. KIND MATERIAL USED AUS (Prod. or Shut-in) Gas—Oil Ratio Dil Gravity ~ API (Corr.)
CASING SIZE 133/2" 95/8" 711 29. SIZE 31. Perforation. Record 9232-938 9435-94 33. Date First Production Date of Test Flow Tubing Press.	35, (36, 26, 26, 26, 26, 26, 26, 26, 26, 26, 2	LINER RECORD BOTTOM Ad number) Choke Size Choke Size Calculated 2 How Flate	PRODUING, gas lift, pump	SCREEN 32. AC DEPTH IN 9232 - C UCTION ing - Size and t	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA TERVAL 7449 ype pump) Gas - MCF	TUBING R DEPTH SET CTURE, CEMENT AMOUNT AND 17,500 Well Sto	SQUEEZE, ETC. KIND MATERIAL USED AUS (Prod. or Shut-in) Gas—Oil Ratio Dil Gravity ~ API (Corr.)
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CASING SIZE 133/2" 95/8" 711 29. SIZE 31. Perforation. Record 9232-938 9435-94 33. Date First Production Date of Test Flow Tubing Press.	35, (36, 26) TOP (Interval, size an A 9) Production of the Casing Pressur (Sold, used for full and the case of	LINER RECORD BOTTOM Ad number) Choke Size Choke Size Calculated 2 How Flate	PRODUING, gas lift, pump	SCREEN 32. AC DEPTH IN 9232 - C UCTION ing - Size and t	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA TERVAL 7449 ype pump) Gas - MCF	TUBING RIDEPTH SET CTURE, CEMENT AMOUNT AND 17,500 Well Store Water - Bbl.	SQUEEZE, ETC. KIND MATERIAL USED AUS (Prod. or Shut-in) Gas—Oil Ratio Dil Gravity ~ API (Corr.)
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29. 31. Perforation Record 9232-938 9435-94 33. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gan 35. List of Attachments	35, (36, 26) TOP (Interval, size and 149) Production of the information of the informat	LINER RECORD BOTTOM BOTTOM A SPF Choke Size Calculated 2 How Rate el, vented, etc.)	PROD Prod'n. For Test Period 4- Oil - Bbl.	SCREEN 32. AC DEPTH IN 9232 - C UCTION ing - Size and t Gas - MCF	CEMENT 375 2002 125 30. SIZE CID, SHOT, FRA TERVAL 7449 ype pump) Gas - MCF Water	TUBING R TUBING R DEPTH SET CTURE, CEMENT AMOUNT AND 17,500 Well Sto	PACKER SET SQUEEZE, ETC. KIND MATERIAL USED SUSSESSED AUG. KIND MATERIAL USED SUSSESSED AUG. A

DATE 12-20-82 WE	LL NO. 12-	K LEASEA	RCO-T.D. POF	E FIEL	DENTON WOLFCAMP
LOCATION <u>SEC.36, T145, R</u> 2130' FSL & 165	37E, 0'FWL	SIGNED	J. BOUBEL	······································	G.L. 380/ D.F. NA K.B. NA ZERO NA
9.5 #/6AL FLUID	10 5x.	PLUG @ 5W	RFACE		TOC
290'	•		33/8" CSG. SHOE P		
3/4' Alice Control Control		S.6 #/FT CS URFACE, HO	G. SET @ 31; LE SIZE 171/2	2'w/375	SX. CMT, CIRC.
976.	CSG. CUTOR	F @ 976' w	of 25 SX.PLUG A	980M 950-9	76'
<u> </u>	70c@/	890' (TEMP.	SURVEY)		
. ,					
4708	_		18" CSS. SHOE FR		
4768			ET @ 4766'V Y), HOLE SIZE		CM7, TOC @
4844' C:	56. CUTOFF	@ 4904' v	N/255X.PLU	G FROM 484	14-4904 '.
7	'CMT. RETAI	NER SET @	5000'		
	TOC @ 75	70' (TEMP.	SURVEY)		
* woo	LFCAMP:	9232'-9381	1',9435'-9449	, 45PF, TC	TAL 652 HOLES
	•	SQUEEZED V	u/ 875 sx.(CMT.	
	3TD 9467'				
The state of the s	, 26 TFI C (TEMP. SURI	ISG. SET G V <u>EY</u>), HOLE) 9467' W/12 SIZE 83/4"	15 SK.CM7	TOC @ 7570'
	9470'	•			

DATA ON PROPOSED OPERATION

- 1. Avg. Daily Rate 400 BWPD Max. Daily Rate 600 BWPD
- 3. Avg. Injection Pressure 2750 PSI Max. Injection Pressure 2900 PSI
- 4. When the injection fluid (sample number 2) is compared to the production water (sample number 1), the water analysis indicates no evidence of incompatibility between the two water types.

P. O. BOX 1468 MONAHANS, TEXAS 79756 PHONE 943-3234 or 563-1040

RESULT OF WATER ANALYSES

731 W. INDIANA MIDLAND, TEXAS 78701 PHONE 683-4821

Mr. Gary Tumlinson	LA	BORATORY NO	1_11_70	
P.O. Box 1800, Hobbs, New	Nation	PLE RECEIVED .	1-11-78	
r.o. box 1800, Hobbs, Rew	BEXICO RE	SULTS REPORTED	1-14-10	
OMPANY Mobil Oil Company	LEASE	Worth Denton	Wolfcann In	11
· ·	== :	(Devonian)	HOLLEGE DI	
TIELD OR POOL			Yes Ye	-100
ECTION BLOCK SURVEY	COUNTY 200	ST	ATEAWA_DA	AACO
DURCE OF SAMPLE AND DATE TAKEN:			_	
No. 1 Produced water - taken		ockout. 1-4-7	8	······································
NO. 2 Arco water - taken @ at	ation. 1-5-78			
NO. 3				
NO. 4		•		
EMARKS:				
	ICAL AND PHYSICAL P	ROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0595			
pH When Sampled	-1.0343	1.0507	·	
pH When Received	6.6	7.4		,
Bicarbonate as HCO3	549	683		
Supersaturation as CaCO3	15	120		
Undersaturation as CaCO3	13	120		
Total Hardness as CaCO3	10,700	9,400		
Calcium as Ca				
Magnesium as Mg	3,080	2,820 571		
Sodium and/or Potassium				
Sulfate as SO ₄	29,214	23,532		
Chloride as CI	2,558 50,423	1,843 41,191		
fron as Fe	50,425	1.3		
Barium as Ba		2,3		
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	86,553	70.640		
Temperature *F.	30,333	70,040		
Carbon Dioxide, Calculated			<u>i</u>	
Dissolved Oxygen, Winkler ,				
Hydrogen Sulfide	150	32.5		
Resistivity, ohms/m at 77° F.	0.104	0.120		
Suspended Oil	0.204			
Filtrable Solids as mg/1				
Volume Filtered, ml				
			 	
				
	Paraulas Paraulas Ac Million	Par Lie		
	Results Reported As Milligrams			
Additional Determinations And Remarks	perison of the abo	ve results sh	ovs no evid e	nce of any
incompatibility between thes	e two waters. We	show a modere	to calcium d	arbouate
scaling tendency in the Areo	water, but suspec	t this likely	ATR CLARES	during
sampling.				
			bil Produci	
			& New Mexi	
· · · · · · · · · · · · · · · · · · ·			Houston, Texas	
		venton,	North Wolfe	mp Unit

Form No. 3

Well #7-7, Sec. 36, T14S, R37E

Lea County, NM Injection Fluid Compatability with Formation Water

Mobil Producing Texas & New Mexico Inc. Denton North Wolfcamp Unit Well No. 7-7

Sec. 36, T14S, R37E 1980'FSL & 1650'FWL

The Wolfcamp geological data is provided below.

LITHOLOGIC DETAIL

Composition - Limestone - Dolomite

Type Structure - Anticlinal

Average Porosity - 10%

Average of Permeability - 10md

GEOLOGICAL NAME

Wolfcamp

THICKNESS

Average Effective Pay - 52'

DEPTH

Average Depth to Top of Pay - 9206'

Overlying fresh water zone (aquifers containing concentrations of 10,000 mg/l or less).

GEOLOGICAL NAME

DEPTH

Ogallala

+200'

There are no fresh waters immediately underlying the injection zone.

STIMULATION PROGRAM:

- 1. Pressure annulus to 500 psig.
- 2. Hook up pump truck and pump 6000 gal. 15% NEF $_{\rm e}$ stab. HCL treat at 3500 psig surface treating pressure.
- 3. SI well overnight. Backflow as necessary.
- 4. Place on injection.

Logs were submitted previously when well was completed as ARCO T. D. Pope No. 7 in June 24, 1954.

Chemical analysis was conducted on two fresh water supply wells within a mile radius of the proposed injector.

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O.BOX1499

HOBBS, NEW MEXICO 88240

COMPANY : MORIL
DATE : 9-17-82
FIELD.LEASE&WELL : DENTON WSW#1
SAMPLING POINT:
DATE SAMPLED : 9-16-82

SPECIFIC GRAVITY = 1 FOTAL DISSOLVED SOLIDS = 820 PH = 7.7

	ME/L	MG/L
(CA)+2 (MG)+2 (NA),CALC.	4.5 5.2 2.8	90.1 63.8 65.0
(HCO3)-1 (CO3)-2 (OH)-1 (SO4)-2 (CL)-1	4.7 0 0 2.8 5.0	286. 0 0 134. 179.
ES		
(CO2) (H2S) (O2)	NOT RUN NOT RUN NOT RUN	
(FE) (BA)+2 (MN)	NOT RUN	. 7 . 3
	(MG)+2 (NA),CALC. (HCO3)-1 (CO3)-2 (OH)-1 (SO4)-2 (CL)-1 ES (CO2) (H2S) (O2) (FE) (BA)+2	(CA)+2

SCALING INDEX TEMP

> 3 0 C 86F 3.21

CARBONATE INDEX CALCIUM CARBONATE SCALING

LIKELY

BULFATE INDEX CALCIUM BULFATE BCALING

-5.8 UNLIKELY

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O.BOX1499

HOBBS. NEW MEXICO 88240

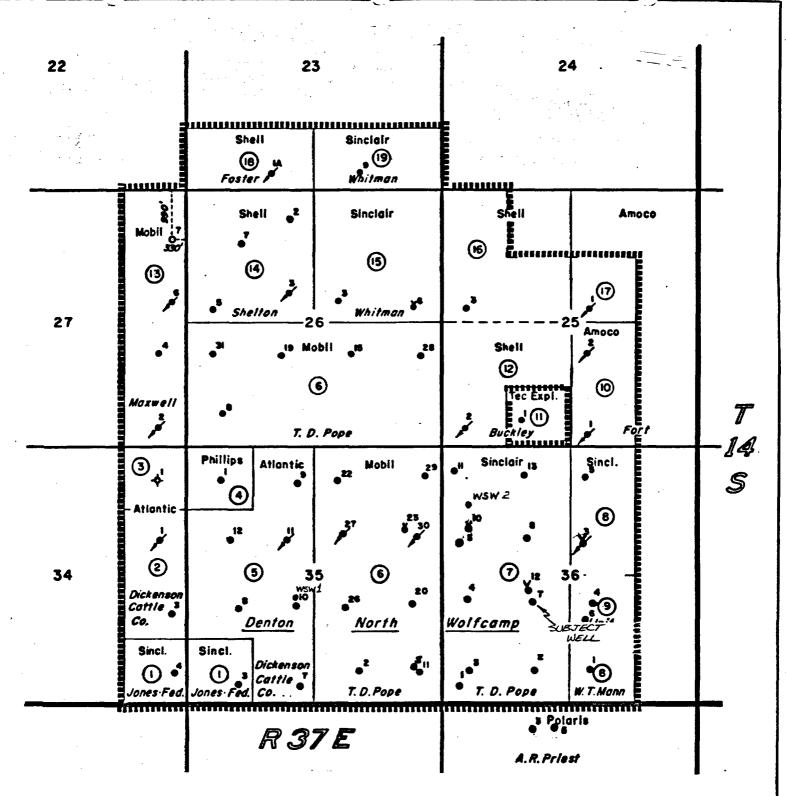
COMPANY: MOBIL PRODUCING DATE: 10-7-82 FIELD.LEASE&WELL: DENTON SAMPLING POINT: WSW #2 DATE SAMPLED: 10-5-82

SPECIFIC GRAVITY = 1 TOTAL DISSOLVED SOLIDS = 643 PH = 7.69

		ME/L	MG/L
CATIONS			
CALCIUM Magnesium	(CA)+2 (MG)+2	3.8 6	76.1 72.9
SODIUM	(NA) CALC.	.° 2 2	5.i
ANIONS			
BICARBONATE	(HCO3)-1	4 0 0 2 . 4 3 . 5	244.
CARBONATE	(CN3)-2	0	. 0
HYDROXIDE	(OH)-1	0	. 0
SULFATE	(504)-2	2.4	120
CHLORIDES	(CL)-1	3.5	124.
DISSOLVED GASE	S		
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
TRON(TOTAL)	(FE)		. 0 3
BARIUM	(BA)+2		. 08
MANGANESE	(MN)	NOT RUN	

SCALING INDEX TEMP

30C
86F
CARBONATE INDEX 3.30
CALCIUM CARBONATE SCALING LIKELY
SULFATE INDEX -6.7
CALCIUM SULFATE SCALING UNLIKELY



Mobil Producing Texas & New Mexico Inc. Houston, Texas

Denton, North Wolfcamp Unit Well #7-7, Sec. 36, Tl4S, R37E 1980'FSL & 1650'FWL Lea County, NM

Water Supply Wells 1 & 2

SCALE /"=2000"

This application was sent by certified mail to the surface owner of the land on which the well is located and to each lease operator within one-half mile radius of the well location.

Surface Owner:

Mr. Norman Caswell Route 1 Meadows, Texas 79345

Offset Operators

Polaris Production Corp. 1901 First National Bank Building Midland, Texas 79702

Arco Oil & Gas Company Permian District Office P.O. Box 1610 Midland, Texas 79702

CAL CONSERVATION DIVISION SANTA FE

January 25, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Mr. Norman Caswell Rt. 1 Meadows, Texas 79345

7.01
NOTICE OF APPLICATION FOR
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
WELL NO. 7-7
DENTON NORTH WOLFCAMP UNIT FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Tx. & N.M. Inc. has made application to the Oil Conservation Commission of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for your information.

Yours very truly,

J. A. Morris

Regulatory Engineering Supervisor

SDMarino:mma Attachments

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

January 25, 1983

Polaris Production Corp. 1901 First National Bank Building Midland, Texas 79702

7.01
NOTICE OF APPLICATION FOR
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
WELL NO. 7-7
DENTON NORTH WOLFCAMP UNIT FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Tx. & N.M. Inc. has made application to the Oil Conservation Commission of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for your information.

Yours very truly,

J. A. Morris

Regulatory Engineering Supervisor

SDMarino:mma Attachments

Mobil Producing Texas & New Mexico Inc. SERVATION DIVISION CANTA FE

January 25, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Arco Oil & Gas Company Permian District Office P.O. Box 1610 Midland, Texas 79702

7.01
NOTICE OF APPLICATION FOR
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
WELL NO. 7-7
DENTON NORTH WOLFCAMP UNIT FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Tx. & N.M. Inc. has made application to the Oil Conservation Commission of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

A copy of this application is furnished to you for your information.

Yours very truly,

J. A. Morris

Regulatory Engineering Supervisor

SDMarino:mma Attachments

CANTA FE

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

January 25, 1983

County Clerk
Ms. Pat Snipes
P. O. Box 1507
Lovington, NM 88260

7.01
NOTICE OF APPLICATION FOR
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
DENTON NORTH WOLFCAMP UNIT FIELD
WELL NO. 7-7
LEA COUNTY, NEW MEXICO

Dear Ms. Snipes:

Mobil Producing Tx. & N.M. Inc. (MPTM) has made application to the Oil Conservation Commission of New Mexico to inject production water into a reservoir which is productive of oil or gas.

The Oil Conservation Commission requires that the enclosed application be sent to you for public information notice in the county in which the well is located. Please post the attached application as you desire.

Yours very truly,

J. A. Morris

Regulatory Engineering Supervisor

SDMarino:mma Attachments

cc: Oil Conservation Commission

Notice of Application for Fluid Injection Well Report

APPLICANT: Mobil Producing Texas & New Mexico Inc., 9 Greenway Plaza, Suite

2700, Houston, Texas 77046 Telephone: 713-871-5351, Contact -

S. D. Marino

PURPOSE: Inject fluid into the Wolfcamp Formation, Denton North Wolfcamp

Unit, Well No. 7-7; Location - Section 36, Township 14S, Range

37E.

OPERATIONAL CHARACTERISTCS: Formation - Wolfcamp, Injection interval 9197'-

9286'. Expected maximum injection pressure 2900 psi and rate

600 BWPD.

Interested parties may file objections or request a hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501, within 15 days of this notice.

January 25, 1983



· Lovington Daily Leader 14 West Avenue B Lovington, NM 88260

7.01
NOTICE OF APPLICATION FOR
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
WELL NO. 7-7
DENTON NORTH WOLFCAMP UNIT FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Tx. & N.M. Inc. has made application to the Oil Conservation Commission of New Mexico for authority to inject production water into a reservoir productive of oil or gas through the subject well.

The Oil Conservation Commission requires that a public notice of the attached information be published in the county in which the well is located. Please publish the attached notice as soon as possible and return the completed affidavit and a copy of the printed notice in the enclosed, stamped envelope. Send the invoice to the attention of Mr. J. A. Morris.

Yours very truly,

J. A. Morris

Regulatory Engineering Supervisor

SDMarino:mma Attachments

Notice of Application for Fluid Injection Well Report

APPLICANT: Mobil Producing Texas & New Mexico Inc., 9 Greenway Plaza, Suite 77046 Telephone: 713-871-5351, Contact -PURPOSE:

Inject fluid into the Wolfcamp Formation, Denton North Wolfcamp

Toumshin 14c Range Unit, Well No. 7-7; Location - Section 36, Township 14s, Range

OPERATIONAL CHARACTERISTCS: Formation - Wolfcamp, Injection interval 9197'9286'. Expected maximum injection pressure 2900 nei and rate 9286'. Expected maximum injection pressure 2900 psi and rate

Interested parties may file objections or request a hearing with the Oil Santa Fe New Mexico 87501 wirh; Interested Parties may file objections or request a hearing with the Oil days of this notice.

Box 2088, Santa Fe, New Mexico 87501, within 15

February 15, 1983

NINE GREENWAY PLAZA-SUITE 2700 HOUSTON, TEXAS 77046

Oil Conservation Division P.O. Box 2088 Santa Fe, N.M. 87501

7.01
WATERFLOOD INJECTION WELL
MOBIL PRODUCING TX. & N.M. INC.
DENTON NORTH WOLFCAMP UNIT
WELL #7
DENTON NORTH WOLFCAMP FIELD
LEA COUNTY, NEW MEXICO

Gentlemen:

In accordance with Statewide Rule 701, this letter encloses the legal notice for this well which was published by the Lovington Daily Leader.

Yours truly,

appoind

SDMarino/ec Attachments

cc: Director, District 1

A.D. Bond Regulatory Engineering Coordinator II

