UIC - I - 8-1, 2 & 3

WDWs-1, 2 & 3
PERMITS,
RENEWALS,
& MODS (14 of 18)

2017



NAVAJO REFINING COMPANY, L.L.C. Map ID No. □○
Artificial Penetration Review

OPERATOR	Navajo	Refining	Co.
LEASE U	ODUS	J	

LEASE WWW

WELL NUMBER #2

DRILLED 7 18 73

PLUGGED NA

STATUS Active

LOCATION Sec. /2 -T / S-R 27E

MUD FILLED BOREHOLE ___

TOP INJECTION ZONE -3663'

API NO. <u>30-015- 20894</u>

REMARKS:

133/4" @ 40'

85/8"@ 1995'w1800 sx

Tubing @ 7523'
Packer @ 7528'

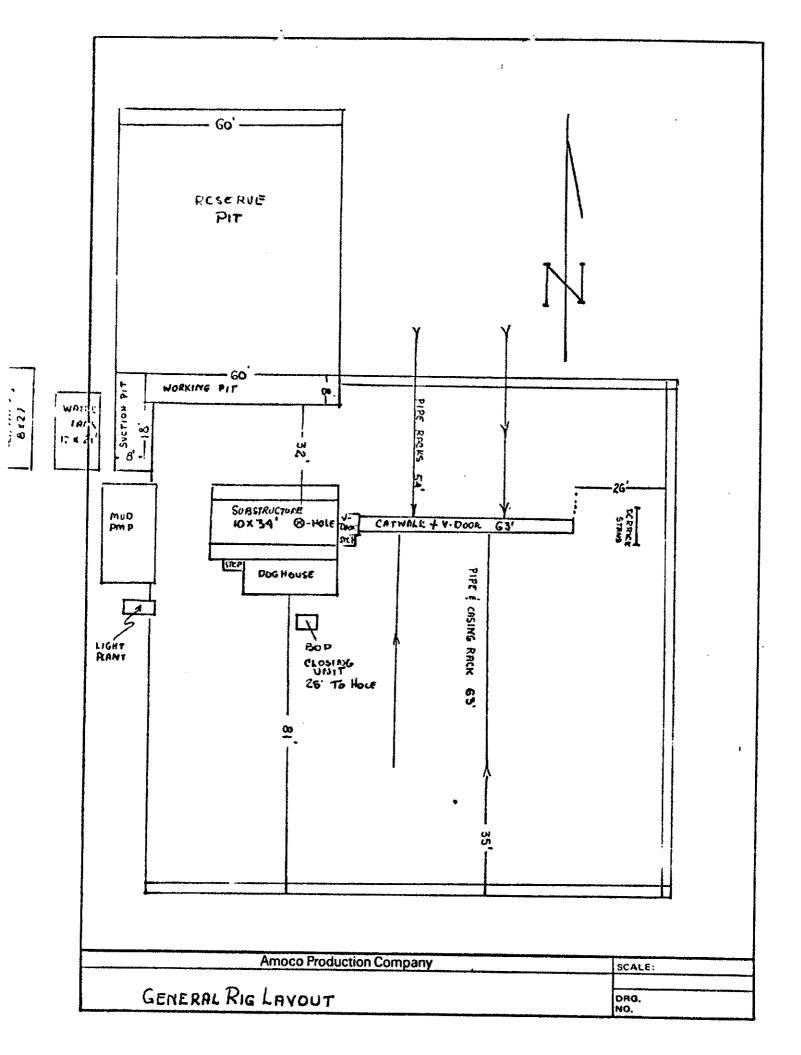
51/2" @ 8869' W/1570 5x

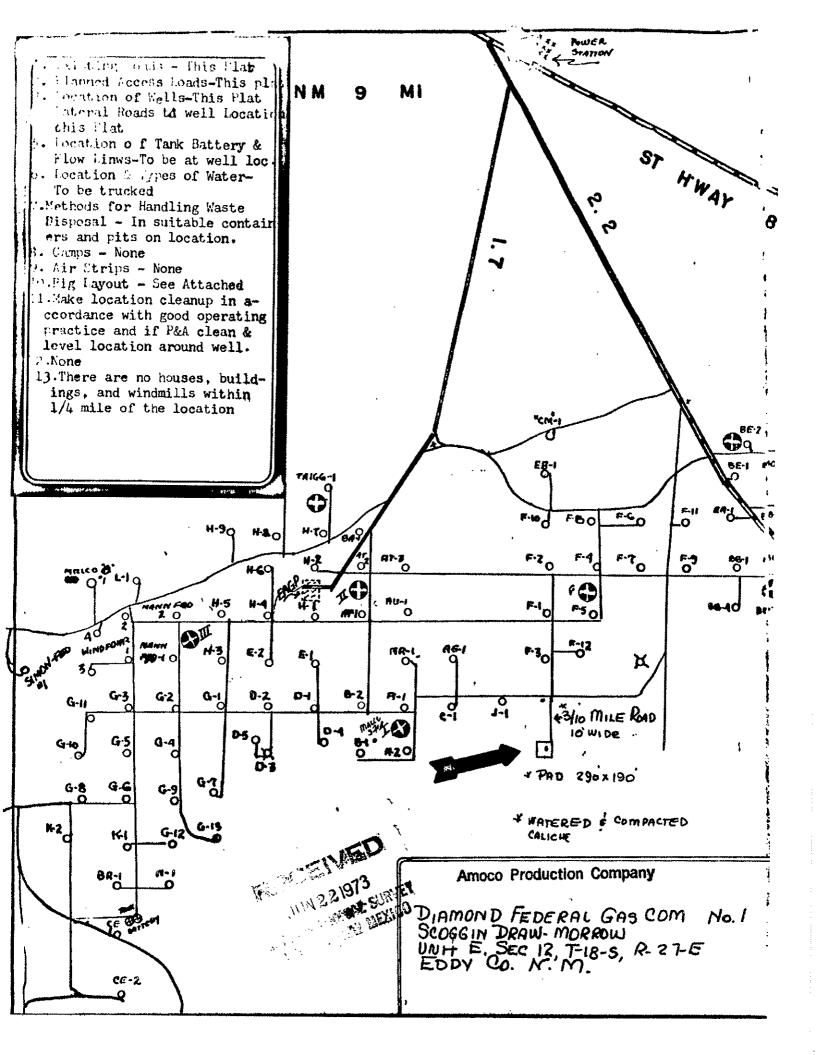
TD: 10,372'

MAP ID NO. 50

NAVAJOR FEFINING COMPANY WASTE DISPOSAL WELL NO. 2

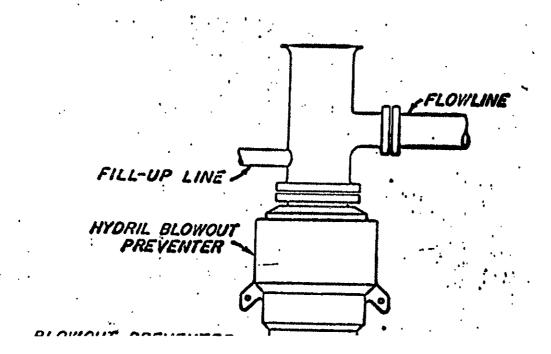
API NO. 30-015-20894





PLOWOUT PREVENTER HOOK-UP FOR DRILLING BELOW INTERMEDIATE CASING

- 1. BLOKOUT PREVENTERS AND MASTER VALVE TO BE FLUID OPERATED AND ALL PITTINGS MUST BE IN GOOD CONDITION (MINIMUM: WP 3000 PSI, TEST 6000 PSI).
- 2. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS THE INSIDE DIAMETER OF CASING THAT IS BEING DRILLED THROUGH.
- 3. KELLY COCK REQUIRED (MINIMUM: 3000 PSI WP, 6000 PSI TEST)
- 4. OMSCO OR COMPARABLE SAFETY VALVE HUST BE AVAILABLE ON RIG PLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB. (MINIMUM: 3000 PSI WP. 6000 PSI TEST)



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drilling into the <u>Wolfcamp formation</u>
and used until production casing is run and cemented. Monitoring
equipment shall consist of the following:

- (1) A recording pit level indicator to determine pit volume gains and losses.
- (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
- (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
- 6. When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 150 feet. The volume of mud required to fill the hole shall be watched, and any time there is an indication of swabbing, or influx of formation fluids, proper blowout prevention precautions must be taken. The mud shall not be circulated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom.
- 7. A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the well.

James A. Knauf District Engineer

Lease No. NM-6852
Well Amoco Production Co. 1-Diamond Federal Gas Com.
Drillsite 1980/N 660/W 12-185-27E
Depth 10,000' Morrow
Approved July 6, 1973

(Other Instruc

Form approved. Budget Bureau No. 42-R1425.

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DEPARTMENT	OF	THE	INTERIOR

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1- DIV - SUSP 1- RRY 1- ARCO

Instructions On Reverse Side

Copy 45F

RECEIVED

JUL 1 0 1973

P. O. Drawer W Artesia, New Mexico 88210 O. C. C. ARTESIA, OFFICE

July 9, 1973

Mr. Jim York Amoco Production Company Post Office Box 68 Hobbs, New Mexico 88240

Bear Mr. York:

This is to confirm my telephone conversation with you today whereby we requested that the 8-5/8-inch casing string be set in the top of the San Andrea formation (approximately 2,000 feet below the surface) in your No. 1 Biamond Federal Gas Com. well on lease NM-6852 in the SWANN sec. 12, T. 18 S., R. 27 E., N.M.P.M., Eddy County, New Mexico.

Sincerely yours,

SHAR A BURAL WAS AND

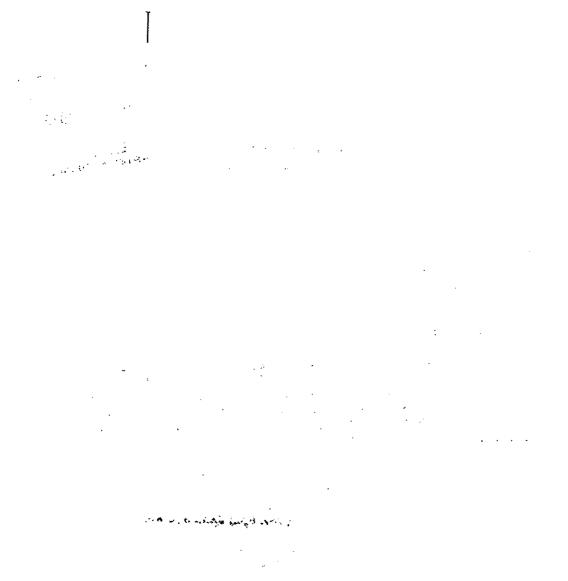
James A. Knauf District Engineer

cc: Roswell N.M.O.C.C. (2)

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JUL 1 0 1973

D. C. C.



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16. Ch	eck Appropriate Box To Indicate N		ther Data
	OF INTENTION TO:		ENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING WELL,
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ALTERING CABING ABANDONMENT®
(Other)	CHANGE PLINS	(Other) Report results	of multiple completion on Well tion Report and Log form.)
17 be so time thorosed or complete proposed work. If well is nent to this work.)*	ETED OPERATIONS (Clearly state all pertinent directionally drilled, give subsurface locations)	t details and also neethant dates	Indication antiquated days of the second
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			JUISANED
			U. S. GEOLOGIAN
			U. S. GEOLOGICAL SURVEY ARTESIA, WEW MEXICO
s. I hereby certify that the tere	going is true and correct		
SIGNED TO	TITLE ADM	INISTRATIVE ASSISTANT	DATE JUL 2 3 1973
This space for Federal or Si	ate office use)		<u> </u>
CONDITION ON APPORA	TITLE		PATE.
USGS- ABT	241973		
Sus P	L. BEEKMAN ER See Instructions	on Reverse Side	
- ARCO ACTING	DISTRICT		

Form 9-330 (Rev. 5-63)

UNITED STATES SUBMIT IN DUPLICAL DEPARTMENT OF THE INTERIOR

(See oth

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กะ on side)	NM-6	852
*		OTTEE OR TRIBE NAME
	7. UNIT AGREEME	NT NAME
D	DIAMOND I	FED. GAS COM
	9, WELL NO.	
	_ 7/ ~	DAILY-MORROW
\	11. SEC., T., B., M., OR AREA	RAW-MORROW OR BLOCK AND SURVEY
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WELL	OVER L	DEED-	PLUG	DIFF.	in. 🗌	Other E C		VEU	8. PARM O	R LEASI	E NAME
Amoco	Productio	n Com	nanu r			SEE	241	072	9, WELL N	0.	
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At total depi	t h								12-18	- 27	NMPM
				14. PER	MIT NO).	DATE ISS	U ED	12. COUNTY	Oh	13. STATE
		····							EDD		N.M.
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9.		LINER	RECORD				30.	· ////	TUBING REC	ORU	
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. I hereby certify	that the toyes	oing and a	ttached inf	ormation is	compl	ete and correct	as deter	rmined from	all available r	ecords	
SIGNED T	ext.		um			MINISTRATI					7 10 72
NACHTAND			MINU	TITL	EVI	MINITED HITCH	4 P UG	וואיטיט	DATE		1-10-73

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

SNO INSTRE

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

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

Hen 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State let a see item 35.

Hen 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State levations.

Hen 4: If there are no applicable State requirements, locations on Federal or Indian land state in the state on this form and in any attachments.

Hen 3: Indian State levation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Indian State in Item 22, and in item 24 show the producing Indian State in Item 33. Submit a separate report (page) on this form, adequately identified, wacks General". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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

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(ARKERS	TOP	MEAS. DEPTH TRUE VERT. DEPTH	00000000000000000000000000000000000000
GEOLOGIC MARKERS		KANT	HBC WOLFCAMP SO NO STEAMIN BO NO STEAMIN BO CHESTER 10 MISS LM 10
38.			<u> </u>
DEFT. INTERFAL TESTED, CUBRION USED, TIME TOOL OPEN, FLOWING AND SHUTTY PERSSUEES, AND RECOVERING INCLUDING BRATION			
IN PRESSURES, AND RECO	DESCRIPTION, CONTENTS, ETC.	•	
PEN, FLOWING AND SHUT.	3Q .		02 GAS
USED, TIME TOOL OF	MOTFOR		
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FORMATION		te:	SIMOA

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DEF	PARTMEN OF THE INTI	filahan filihanakti	The brash because Nation of Services
<u> </u>	GEOLOGICAL SURVEY		NM - 6 3 2
			6 IF INDEX, ACROS. TO THE WASTE
	NOTICES AND REPORT		!
Use "	or proposals to drill or to deepen or pl APPLICATION FOR PERMIT- " for su	ich proposals.)	i
	20444	7044015	7. UNIT ASSET ONE CON
	THER DRILLING -	DRY HOLE	_DIAMONO FECTURATION CO
Amoco Production	Company	RECEIVED	B. FARM OR S. S. S.
CHESS OF OPERATOR			9. WELL NO.
BOX 68, HC38S, N. M.	88240	SEP 1 2 1973	1
	ention clearly and in accordance with	any State requirements.*	10. PIELD AND POOT, OF SHIDDAY
At surface		O. C. C.	SCOGGIN DIET : MERCOW
		ARTESIA, OFFICE	11. SEC., T., R., M., C. LEE, AND SURVEY OR AREA
1980 FNLX 660	FWL Sec. 12 (Unit	E SELA NIWLA)	
CERNIT NO.	•		15-18-55 NWW
CONTRACT	15. ELEVATIONS (Show whether	er Dr. Rt. dr. etc.)	12. COUNTY OR PARISH 13. STATE
	1 3643	<u> </u>	EDDY N.M.
Che	zck Appropriate Box To Indicat	e Nature of Notice, Report, or	Other Data
NOTICE O	OF ENTENTION TO:	SURBI	EQUANT ESPORT OF:
OFST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CANING
SHOOT OR ACIDIZE	ABANDON*	SECOTING OR ACIDIZING	ASANDONMENT*
BEPAIR WELL	CHANGE PLANS	(Other)	its of multiple completion on Well
Other)	Table (Manager et al. 1)	Completion or Recou	upletion Report and Log form.)
proposed work. If well is nent to this work.) *	directionally drilled, give subsurface	locations and measured and true vert	es, including estimated date of starting any cleal depths for all markers and zones perti-
,	TD M 10 372'	without enor	10541
Con Sus 20	TD of 10,372' i	With made Brown	moung or
7)		0	irmed/bry Hole.
Propose to	P+ 11 as follow	15: ament Pl	Mass- Class H
YTERUA	LEWGTH	FORMATION	SX CEMENT
9775-96	75' INA'	Manager	
7 / 13- 96 75 35 - 14	•	MOLKOW GISCO	<i>4</i> 5
5556-54		A,80	50
3720-36		YESO	#0 50
2045 - 19	145 100	878" CSA 1995	40
Surjace		Erect PVA marke	N 105X
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Roution: Th	be Cleaned	6 Centled.	SEP-41973
,000000000	ve cun.		U. B. GEOLOGICAL SURVE
			ARTESIA, MEN MEXICO
2 1.1	m. 0 1		
tursuant to	Mr. Leon Bukm	ans virial app	noval 8-25-73.
			_
I hereby certify that the fore	going is true and correct		The second secon
III NED	EL YTHT	AREA ENGINEER	DATE AUG 2 : 1973
Star Production and	14		DATE HOU ? . 154
This space for Federal or St	Ate office use)		·
APPROVED BY	PANITED TITLE		DATE
CONDITIONS OF APPROVE	/ PANA: "	_ •	
USGS-Het/A	EP111973	-	
DIV S	H. L. BEEKMAN ENGINEER LISTUCTION OF THE PROPERTY AND DISTRICT ENGINEER LISTUCTION OF THE PROPERTY OF THE PROP	one on Paverse Cide	
Sisp A	BEEKNING HEERE INSTUCTION	PDIC SUPERAL BIOS	
Acc.	ING DISTRICT		

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EXHIBIT "D" SKETCH OF WELL PAD

FRED POOL DRILLING, INC.
Well #2 Chukka Federal
SW4NW4, Sec. 12: T-18-S, R-27-E

	Muss Fat
DRIG. RXG	
	TRACH PIT

EXHIBIT "D" SKETCH OF WELL PAD

FRED POOL DRILLING, INC.
Well #2 Chukka Federal
SW14NW14, Sec. 12: T-18-S, R-27-E

DRIG REG	Music Fit

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

DIL CONSERVATION DIVISIC P. O. BOX 2088

Form C-102 Revises 10-1-78

SANTA FE, NEW MEXICO 37501

		All distances must be	from the outer bounds	ries of the Secti	on.	×
ταίοι			Leose			Well No.
red Pool Dril	ling, Inc.		Chukka Fed	leral		2
Unit Letter Sect		Township	Ronge	County		1
PΕ	12	18-S	27-E		ldy	
Actual Footage Location			~, 4		idy	
1980 100	from the NO:	rth line and	660		West	
Ground Level Elev.	Producing Form		Poel	feet from the	WESL	line
3607	•					Dedicated Acreages
			Artesia			40 Acres
If more than or interest and roy 3. If more than one	ne lease is oralty).		, outline each an	id identify the	ownership th	tereof (both as to working all owners been consoli-
If answer is "nothis form if nece	No If ans of list the oversary.)	wer is "yes;" type of	iptions which ha	ve actually be	ted (hy comm	nunitization, unitization, approved by the Division.
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			1	· · · · · · · · · · · · · · · · · · ·		CERTIFICATION
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' i		***	# 1	l	1	artify that the information con-
			ı		1	ein is true and complete to the
			1		best of my	knowledge and belief.
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660'			1		Position Presiden	it for the state of the state o
1			! ! !		Fred Poo	1 Drilling, Inc.
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!	•		1		I hereby co	ertify that the well location
1			1		1	is plat was platted from field
‡			} {		1	tual surveys made by me or
			1			pervision, and that the same
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i			l	1.	Date Surveyed	
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1			1			iessional Engineer
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330 000 20 1370	1680 1980 23	10 2640 2000	1500 1000		Certificate No.	

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Form 9+331 C		NM OIL CONS	COMMISSION D	r radione		•
Ri Leil Lu 137	IINI	TED tSTATES.	(Other in	V : LICATE structions on Se side)	Form approv Budget Buren	ed. 11 No. 42-R1425.
112 0011 110	DEPARTMEN	T OF THE INT	ERIGR	oc 6140)	30-115-2 5. LEASE DESIGNATION	0894
AUG 3 0 1985	GEOLG	OGICAL SURVEY			NM-6852	AND SERIAL NO.
APPLIGATIO	N OR PERMIT	TO DRILL, DE	PEN, OR PLUC	BACK	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
ARTESIA, OFFICE	X	DEEPEN 🗆	DI LIC I	BACK []	7. UNIT ACREEMENT N	ViME
b. Type of Well		_				
	WELL OTHER A	Reentry	RINGLE X MU	LTEPLE .	S. FARM OR LEASE NA	ME
Fred Pool Dri	Illing, Inc.			:	Chukka Feder	al
3. Address of operator	to the second se				_2	
4. LOCATION OF WELL (1	3, Roswell, N.M. Report location clearly an	f. 88201 d in accordance with an	y State requirements.*)		10. FINIO AND POOL,	WILDCAT
At surface 1980' FNL & 6			,	X	Artesia Citt	Pool
At proposed prod. zo	ue FMT		(Unit E)		AND SURVEY ÓR AI	REA
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST OF	(SWI4NWI4)		Sec. 12, T-1	8-S, R-27-
ll air miles	east-southeast				Eddy	NM
15. DISTANCE FROM PROP LOCATION TO NEAREN PROPERTY OR LEASE	IINE ET		NO. OF ACRES IN LEASE	TO TH	F ACRES ASSIGNED	
(Aiso to nearest dri 18. DISTANCE FROM PROD	g. unit line, if any) POSED LOCATION®	660'	160		40	
TO NEAREST WELL, I OR APPLIED FOR, ON TH	ORILLING, COMPLETED, HIS LEASE, PT.	1650'	1945		Rotary	
21. ELEVATIONS (Show wh	•		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		22. APPROX. DATE WO	DEK WILL START*
3007	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	A DIANA GARAGA	NO COMPENSATORING TO CO.	~=	8-31-85	
		PROPOSED CASING A	and Ceminings NG PROC	* IC A AN		
DITE OF TALE	KISK OR GIGING	Diploses nun man			~ <u>-</u>	
SISE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMES	YT
12/4" PIP	8 5/8"	WEIGHT PER POOT		Circ.		VT.
414			SETTING DEPTH			VT.
12/4" PID		32#	2000 serring depring 2000	Circ.		VT
12/4" PID	8 5/8" n	32#	2000 serring depring 2000	Circ.		VT
This is a re-	entry of Diamon	32# d Fed. Gas Com Well locati Supplementa Surface use Designation Original ap	#1 plugged an STO: on & acreage del drilling data	d abandon 10;372 edication a	ned 8-31-73.	
This is a re-	entry of Diamone tached are: 1 2 3 4 5) PROPOSED PROGRAM: If I	32# d Fed. Gas Com Well locati Supplementa Surface use Designation Original ap for Diamon proposal is to deepen or	on & acreage definition of operator proved applicated Federal Gas (d abandon 10,372 edication a tion by A	plat moco Productio	on Co.
This is a re-	entry of Diamonic tached are: 1 2 33 47 57 PROPOSED PROGRAM: If I drill or deepen directions 7. Tal or State office use	32# d Fed. Gas Com Well locati Supplementa Surface use Designation Original ap for Diamon proposal is to deepen or	on & acreage del drilling data plan of operator proved applicated Federal Gas of the plan of subsurface locations	d abandon 10,372 edication a tion by A	plat plat moco Productio ctive zone and proposed and true vertical depths	on Co.

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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Form 9-331 (May 1963) UTED STAI	LES SUBMIT IN TR. 10	ATE: Form approved.
DEPARTMENT OF THE	EUNTERIOR Personade)	Budget Bureau No. 42-R142 5. LEASE DESIGNATION AND SERIAL NO.
GEOLOGICAL S		NM 6852
SUNDRY NOTICES AND RE (Do not use this form for proposals to drill or to de- use "APPLICATION FOR PERMIT	PORTS ON WELLS epen or plus backter a discrete profession. " for such proposition of the profession of	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL OTHER	SEP 11 1985	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR FRED POOL DRILLING, INC.		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR	O. C. D. ARTESIA, OFFICE	Chukka Federal
P. O. Box 1393 Roswell, N 4. Location of well (Report location clearly and in accorda See also space 17 below.) At surface	.M. 88201 ace with any State requirements.*	2 10. FIELD AND POOK OR WHIDCAY
1980 ØNL 660 FWL Unit E SW% NW%		Arresia 611 Pool 11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA Sec. 12-T 18S- R 27F
14. PERMIT NO. 15. ELEVATIONS (Sh.	ow whether DF, RT, GR, etc.)	
3607 GR		12. COUNTY OR PARISH 13. STATE Eddy NM
	Indicate Nature of Notice, Report,	
NOTICE OF INTENTION TO:	•	BRIQUENT REPORT OF:
FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other)	ALTERING CASING ABANDONMENT* esuits of multiple completion on Well completion Report and Log form.)
Stringers of Tagged No. 2 back to 1804 water.	t out of surface from cement to 50 ft. plug at 1912 ft. Púl ft.; circulated hole v log and perforate wel	0-30 ft. led tubing with fresh
		St. pool 100 p
8. I hereby certify that the foregoing is true and correct		
	TELE Clerk	DATE 9-6-85
(This space for Federal or State office use) APPROVED BY	itle	
CONDITIONS OF APPROVAL, IF ANY	AAAD	DATE

SEP 10 1985

*See Instructions on Reverse Side

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(May 1963)	Den a mai	U' ED S	TATES Dr.	OIL COMSWITCOM	TRE CATE	Form ap	proved. Sureau No. 42-R142
	DEPART	MENT OF SEOLOGICA	THE INTE	RIOR Verse side) NM 8821		O. LEASE DESIGNAT	fion and serial no.
CITA		PEOLOGICA	L SURVET	2007	·U	NM 685	TTEE OR TRIBE NAME
(Do not use this	NDRY NOT storm for propos Use "APPLICA	als to drill or a	to deepen or plus RMIT" for such	bnek tREUMINEG	eBVir.	A STATE OF THE STA	TIME OR THIBE NAME
OIL GAS WELL 2. NAME OF OPERATOR	OTHER	re-en	try	SEP 18 19	85	7. UNIT AGREEMEN	
Fred Pool 3. ADDRESS OF OPERATO	Drillino	Inc /		O. C. D		8. FARM OR LEASE	
				ARTESIA, OFF	ICE-	Chukka Fe	deral
P.O.Box 13 LOCATION OF WELL (1) See also space 17 bel	93 Rosh Report location el	ell, N.1	M. 88201	y State requirements #		2	
At surface	•			o wate regardmenters,		10. FIELD AND POOL	L, OR WILDCAT
1980 FNL SWŁ NWŁ	660 FWI	Unit	E			AYTESIA 11. SEC., T., R., M., SURVEY OR A	REA .
14. PERMIT NO.		15. ELEVATIONS	Show whether i	OF, RT, GR, etc.)		Sec, 12-T	18S-R27E
300152089	94	3607 (12. COUNTY OR PAR Eddy	NM,
đ.	Check App	propriate Box	To Indicate	Nature of Notice, f	Report, or C	ther Data	
ı 1	OTICE OF INTENT	ton to:				ENT REPORT OF:	
TEST WATER SHUT-OF PRACTURE TREAT	· · · ·	LL OR ALTER C	il	WATER BHUT-O	F#	REPAIRIN	G WELL
SHOOT OR ACIDIZE		CLTIPLE COMPLE ANDON*	TE -	FRACTURE TREA		ALTERING	
REPAIR WELL		IANGE PLANS		(Other)	CIDIZING X	ABANDON	MENT*
(Other) 7. DESCRIBE PROPOSED OR proposed work. If nent to this work.)		· · · · · · · · · · · · · · · · · · ·		(Note: R	eport results	of multiple completio tion Report and Log	n on Well
Sept	ember 8,	1985				٠	•
Perf	orations	: 1446-:	56 ft. a:	nd 1459-62			
Karr	ized with ons Vers 00 # 10/2	h 1000 g	allons N	IE 15%; and3 1/40 sand an	0,000 d		•
Pump	ing well	back to	test.			Section 1	8.7 37 -
							797 N 78 A 7
					•	Sin	
						73.	

					T _e r		• ;
					٠,		* *
I hereby certify that th	e foregoing is tri	ie and correct					
SIGNED Sky	ta Gr	al	TITLE Vi	ce - preside	ent	DATE 9-1	1-85
(This space for Federal		-					
APPROVED BY ACC	EPTED FOR	RECORD	TITLE			DATE	
CONDITIONS OF APPI	Zw.					-	
	SEP 10.10	סכ					

2FL Te 1882

*See Instructions on Reverse Side

SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.
WELL #2 CHUKKA FEDERAL
SWLNWL, SEC. 12, T-18-S, R-27-E
EDDY COUNTY, NEW MEXICO

- 1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3607')
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates 275' Grayberg 1650' Seven Rivers 475' Queen 1225'

3. ANTICIPATED POROSITY ZONES:

Water - Above 300' 0il - 1500-2500'

4. CASING DESIGN:

 $\frac{\text{Size}}{8\ 5/8"} \qquad \frac{\text{Interval}}{0\ -2000}, \qquad \frac{\text{Weight}}{32\#} \qquad \frac{\text{Grade}}{}$

- 5. SURFACE CONTROL EQUIPMENT: Control head.
- 6. CIRCULATING MEDIUM: KCL water.
- 7. AUXILIARY EQUIPMENT: None considered necessary on this shallow development well.
- 8. TESTING, LOGGING AND CORING PROGRAM: No coring or DST's are planned. Electric logs will include an cement bond log and a Compensated Neutron Log with Gamma Ray.
- 9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.
- 10. ANTICIPATED STARTING DATE: It is planned that operations will commence about August 31, 1985. Duration of drilling, completion and testing operations should be one to five days.
- 11. RE-ENTRY DETAILS: Drill out cement plug at top of casing. Clean hole to plug at 1945' with tubing. Pressure test casing to be sure it does not leak. Run cement bond log from 1945' to surface. Perforate the Penrose section from 1450' to 1470' acidize and swab test.

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RECEIVED	вү	UNITE	D STA	TES	NM su	1821 q	N DU.	CATE*	ļ	For	m approved.
	DEPAR	RTMENT					(Se	e other in ictions or	. !		iget Bureau No. 42-R\$55.
SEP 23 198	35	GEOLOGI				J 1(erse side)	5. LEA		NATION AND SERIAL NO
		 	·····							6852	LLOTTEE OR TRIBE NAM
		N OR RECO	DMPLET	ION	REPOR	1A T	AD FO	G *	0. 1.2	moinn, A	NAT SELECT DO SELLOSSIC
12 RTESIA, OM	•	AETT X RETT	. 🔲 👚 ı	ORY .	Other R	E-en	try		7. UNI	r ACREED	IENT NAME
b. TYPE OF CO		DEEP- T PLOG	- P1F	r. —		•					
NEW WELL X	OVER L F	N L BACK	L RES	VR.	Other				S. FAR	M OR LEA	ASE NAME
		illing,In							O. WEI	<mark>џķ</mark> ka.	_Federal
3. ADDRESS OF O	PERATOR			***************************************					-		2
P.O.	Box 1393	Roswe	11, N.	M.88	201		is William		10. FIE	LD AND I	POPE, OR WILDOLD
4. LOCATION OF V							nta)*	()			Oil Pool
1	980 FNL6	60 FWL S	W\ NW\	Un	it E				11. SE	C., T., R., 1 AREA	M., OR BLOCK AND SULVEY
At top prod. i 1446- f	nterval reported	below							C	10	m100 non-
At total depth	1						, `		Sec.	12-	T18S-R27E
1912 ft	•		14. PE	RMIT NO	·.	DATE	issued	·	12. COL	NTY OR	13. STATE
15. DATE SPUDDED	16 pers ma	REACHED 17, D.	300	1520	894		<u> 30-85</u>	<u></u>	Ed	dy	NM
8-30-85	9-6-85		-10-85		to proa.;		O 7 CD	DF, RKB,	BT, GR, ET	c.)• [1	9. ELEV. CASINGHEAD
20. TOTAL DEPTIL, M		LUG, BACK T.D., MD		. IF MUI	LTIPLE COM) () Pr.,	07 GR	ERVALS	ROTAR	TOOLS	3607 GR
1912 ft 24. PRODUCING INT							DRI	LLED BY		x	}
24. PRODUCING INT 1446-14	ERVAL(S), OF THE	S COMPLETION-TO	OP, BOTTOM.	NAME (MD AND TV) *			····	1	25. WAS DIRECTIONAL SURVEY MADE
Penrose		RUN	·						····	1.97	. NO
	ated Neut									""	
28.			SING RECO	RD (Rep	ort all stri	nga set i	in well)	······································			<u>no</u>
CASING SIZE	WEIGHT, LS		SET (MD)	ļ	LE SIZE		CR7	CENTING	RECORD		AMOUNT PULLED
8 5/8	32#	2000		l	1"		circu	late	d	·	0
	[_			······································		
******							····	·	····		_
29.		LINER RECOR	D	***************************************			30.	1	CBING 1	RECORD	
SIZE	TOP (MD)	BOTTON (MD)	SACKS CE	MENT*	SCREEN (MO)	SIZE		DEPTH SE	r (MD)	PACKER SET (MB)
				······································			2 3/	<u> </u>	1804	ft.	<u>-</u>
31. PERFORATION RE	conp (Interval, s	ize and number)			1 32.	AC	ID. SHOT	FRACT	URE CEN	AENW SO	UEEZE, ETC.
1446-56	c 4				DEPTH I						MATERIAL USED
1459-62		holes			1446	-56		100		. NE	15%, 30,000
21000					1459	-62		gal	. Ver	sage	
					ļ			20/	····	nd;l	2,000# 10/20
33.*	······································			PRGE	CCTION			san	<u>d</u>	***************************************	
DATE : IRST PRODUCT	rion PROD	CCTION METHOD (Flowing, ga	s lift, pu	mping—siz	e and t	ype of pum	(p)	W	ELL STAT	cus (Producing or
9-12-8	5 Pt	umping								shut-in) Prodi	ucing
9-12-85	24	CHOFE SIZE	FROD'N. TEST P		011,BBE.		GAS-MC		WATER-	-88L.	GAS-OIL RATIO
FLOW. YUBING PRESS.	CASING PRESSU		011,	IL.	31 GAS+	∸wdsta.	TST	M Water-	BRL.		GRAVITY-API (CORR.)
40#	40#	24-HOUR RAT		31		CSTM	EUT	ATTE (C%O.		3.5
34. DISPOSITION OF C	ian (Sold, used for	fuel, vented, etc.)		·····		Lu	R)		INESSED	-
vented 35. LIST OF ATTACH	MENTS					S	EP 19	1995	Fred	Pool	l, Jr.
Compens	ated Neut	ron log,	maile	d 9-	10-85			1000			,
36. I hereby certify	that the foregoing	g and attached i	nformation	is compl	ete and on	14c 4 , (194	deterailme	d from a	ll grailab	le record	8
SIGNED	nta Po	0						r			
SIGNED ZIP		<u> </u>	TITI	TE ÄT	<u>ce Pre</u>	<u>s10</u> 6	ent		D.	ate	9-13-85

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be another state office. See instructions on items 22 and 24, and 33, below regarding separate completions.

In office the line thine thin summary record is submitted, copies of all currently available logs (dislers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

Hen 18. Indicate specimens as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hens 22 and 24: Indicate this which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and it is a separate report (bage) to not the producing for each additional interval.

For each additional interval to be separately produced, showing the additional data pertunent to such interval.

Hen 29: "Sacks Comest": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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

		TOP	TRUE VERT, DEPTH		÷					· · · · · · · · · · · · · · · · · · ·		
GROLOGIO MARGERE	OLC MANAGERS	T	MEAS. DEFTE									
38.		NAME				•						
MARY OF POROUS ZONES: SHOW ALE HIPPRING ZONES OF PURUSITY AND CONTENTS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DELTH INTERVAL TESTED, CUBHRIN HARD, TIME TOOL OPEN, FLOWING AND SHITTIN DESCRIPE.	DESCRIPTION, COMPENS STORY	The state of the s	, , , , , , , , , , , , , , , , , , ,	Salt, red bed and anhydrite. Dolomite and anhydrite Sand dolomite	dolomite							
DROSITY AND CONTE	HOTTOM		6.5	1100 1365 1570	1912	***************************************	· ·	27-141	***************************************		 	
OUS ZONES: STANT ZONES OF PT TESTED, CUSHENN	T0.P		0	65 1100 1365	1570		-					
37. SUMMARY OF POROUS ZONES: SHOP ALL INFORTALY ZONES OF BEITH INTERVAL TESTED, CUSH	FORMATION			Queen & Gravburg	a l						 Mar White was	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

THEREY AND MIDERIALS DEPARTMENT	RECEIVED BY FE N	FOR ALLOWABLE	01	fora : Revis	C-104 ed 10-1-78
Fred Pool Dril	line Inc			······································	
Address)]			
Rector(s) for liling (Check proper b			are explain)		
Recompletion .	Oil Dry	}==={		HEAD GAS MUST	
Change in Ownership		ela en eb		AFTER : 10-24 AN EXCEPTION I	
If change of ownership give name and address of previous owner			THE B. L.	M. IS OBTAINED	KOM
I. DESCRIPTION OF WELL AND	DEASE Well No. Pool Nome, Including	St. will and a sign			
Chukka Federal	2 Artesia Oil		Kind of Leu State, Feder	ral or F•• Federal	6852
Location Unit Letter E : 10	980 Feet From The North L				<u>1-20-22-</u>
1				The West	
			эм, <u>р.</u> о	ldy	Co
Name of Authorized Timesporter of O	***	Address (Give addres	# to which appre	oved copy of this form is	r to be sent)
Navajo Crude Oi	Il Purchasing	Box 159 Art	esia, N.	M. 88210 oved copy of this form to	
Phillips Petrol	eum	Bartlesvill	e, Okla.		in oe rentj
if well produces oil or liquids, give location of tanks.	E 12 188 27E	Is gon actually conne	ated? (Wh	nen	
If this production is commingled w. COMPLETION DATA	ith that from any other lease or pool	, give commingling and	er number:		
Designate Type of Completi	on - (X) Cas Weil X	New Well Warkover	Deepen	Ping Back Same He	1
Dale Spudded	Date Compl. Rendy to Prod.	Total Depth		P.B.T.D.	
S-30-85 Llevoliona (DF, RER, RT, GR, etc.)	9-10-85 Name of Producing Formation	Top Oll/Gas Pay	· · · · · · · · · · · · · · · · · · ·	1912 ft. Tubing Depth	
GR 3607	Penrose	1446 ft	•	1804 Depth Casing Shoe	
1459-62	Part Annual Control of the Control o				
HOLE SIZE	TUBING, CASING, AN	DEPTH S		SAÇKS CE	MENT
11"	8 7	2000		300	
	775	15.00		l Pa	st ID-2
TEST DATA AND REQUEST FO	OR ALLOWABLE Test must be a	fier recovery of total val	ume of load oil:	i 7 and must be equal to or	-27-85 4818100 c
CIL WELL, Late First New Cit Hun To Tanks	nble for this de	Producing Method (Fla	*)		
9-12-85	9-12-95 Tubing Pressure	pumping Casing Pressure		Choke Size	-(X)
24 hrs.	40#	40#		none	
Actual Prod. During Test 31 bbls	31	Water-Bbla.		TSTM	
GAS WELL					
Actual Frad. Test-MCF/D	Length of Teet	Bbls. Condensate/A:MC	F	Gravity of Condensate	
TSTM Texting Method (pilot, back pr.)	24hrs. Tubing Presewe (Shut-in)	TSTM Caeing Pressure (Ebut	-ia)	Choke Size	
CERTIFICATE OF COMPLIANC	'F	חור כי	ONSEOVATI	none ON DIVISION	***********
•			SEP 24	4 1985	19
hereby certify that the rules and re Division have been compiled with Sove is true and complete to the	and that the information given	APPROVED		al Signed By	19
cover to tree and combittee to the	See of the knowledge kild Bertail,	TITLE		isor District II	
	0	This form is to	be filed in co	ompliance with AULE	
Senta So	we,	wall, this form must	be accompani	ble for a newly drille lad by a tabulation of	(ha devir
Vice Pres		tests taken on the t	well in accord this form must	ence with MULE 111 the filled out comple	•
9-16-85		able on new and so: Fift out only S	actions 1 U.	III. and VI for chan	gas of ov.
, (Date)	Separate Forms		tear other such change be filed for each po	
	įl	remoteted walls.			•

KELEIVED BY

OCT 3 - 1985

O. C. D.

FRED POOL, JR.

September 25,1985

P. O. Box 1393 Roswell, NM 88201

New Mexico Energy and Resources Board P.O.Box 2088 Santa Fe, N.M. 87501

RE: Chukka Federal No. 2° Lease No. 6852 SW/4 NW/4 Sec. 12-18S-27E Eddy County, N.M.

Gentlemen,

Please be advised that the above well was spudded on 8-3-85 and completed as a producing well on September 10,1985. This well was potentialed at 31 barrels per day of oil and gas was TSTM.

All necessary records and logs have been filed with the appropriate offices.

Sincerely,

Penta Pool

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARLMENT

OIL CONSERVATION DIVISION

Drawer DD

Artesia, MM.

DISTRICT OFFICE #2

Sept. thru Dec. 1985 NO. 2058 N +

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE September 24, 1985

PURPOSE

ALLOWABLE ASSIGNMENT - NEW OIL

Effective September 12, 1985 an allowable of 31 barrels of oil per day is hereby assigned to Fred Pool Drilling, Incorporated, Chukke Federal #2-E-12-18-27 in the Artesis Queen Grayburg San Andres Pool.

L - F

MP - P

Sept. Total - 589 bbls. Oct. Total - 961 bbls. Nov. Total - 930 bbls. Dec. Total - 961 bbls.

> Form. - Penrose Perfs. - 1446' - 1462' Comp. - 9-10-85 TD - 1912'

LAC: fc

Fred Pool Drlg., Inc.

NRC PP

OIL CONSERVATION DIVISION

DISTRICT SUPERVISOR

CERTAIN SECRETORS LIQUELLES OFFICE.

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TO A COMPANY TANKS TO SERVICE TO THE SERVICE OF THE

hereby certify that t	he foregoing is tru					Oct 17 II os Ar '90 CARE ARE.	RECEIVED
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						Ocari Cari Are,	RECEIVE
						Oct 17 CARL ARE,	REC
						OCARI ARE,	
			,				
				•			
LEASE PHR	CHASED FROM	FRED POOL DRILI	ING. INC. (9/01/90.			
proposed work. If nent to this work.)	wen is directional	Tions (Clearly state all per lly drilled, give subsurface	tinent details, and locations and mea	give pertipent da sured and true ver	tes, including estin tical depths for al	nated date of a l markers and	tarting as cones perti
HEPAIR WELL (Other)		ANGE PLANS	(Othe	Nors: Report rest ompletion or Reco	ilta of multiple completion Report ar	mpletion on We	X
FRACTURE TREAT SHOOT OR ACIDIZE		LTIPLE COMPLETE	i	UBE TREATMENT	AB	TERING CASING	
TEST WATER SHUT-O	NOTICE OF INTENTION	LL OR ALTER CASING	WATE	8088 3 Shu t-off	BEQUENT REPORT OF	r: :Pairing well	
		ropriate Box To Indica	ite Nature of N				
30-015-20894		15. ELEVATIONS (Show wheth	ner of, kr, uk, etc.)		EDDY	OR PARISH 13.	NM
PERMIT NO.		15. ELEVATIONS (Show whet	han or ar on ata l	·· ·		, TWP 18S	
UNIT LETTER RG. 27E, EDD		FNL AND 660 FWL	, SECTION 1	2, TS 18S,	11. SMC., T.,	R., M., OR BLE. A. Y OR ARMA	ND
LOCATION OF WELL (See also space 17 be At surface	Report location cles	arly and in accordance wit		O. C. D. menta. RTESIA, OFFICE	1	IA Q-G-SA	DCAT
P. O. DRAWER		AND, ȚX 79702		0.00	9. WHILE NO.		
THE EASTLAND		x 🗸		OCT 19'90		A FEDERAL	
OIL X CAS WELL X WELL NAME OF OPERATOR	OTHER		······································	wecelved.	S. FARM OR		
	USE "APPLICAT			RECEIVED	7. UNIT AGE	SEMENT NAME	·
(Do not use thi	is form for proposa,	is to drill or to deepen or NON FOR PERMIT—" for	plug back to a diff	ereut reservoir.			
	NDRY NOTICE	J OF LAND MANAGE CES AND REPOR Is to drill or to deepen or NION FOR PERMIT—" for	TS ON WEL		6. IF INDIAN	. ALLOTTEE OR	KAN BRIDT

*See Instructions on Reverse Side

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

OCT 18'90

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

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

RECEIVED

DISTRICT III

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

C. C. D.

1000 Rio Brazos Rd., Aztec, NM 87410	REQ	UEST FO	OR	ALLO	WA	BLE AND	AUTHORI	ZATIO	Antenna -		
I. Operator		10 114	INS	POHI	Oi	L AND IVA	TURAL G	We	II API No.	2004	
THE EASTLAND OIL O	COMPANY								30-015-20)894	
Address P. O. DRAWER 3488,	, MIDLA	ND, TEX	(AS	79702	2			· · · · · · · · · · · · · · · · · · ·			
Reason(s) for Filing (Check proper box)		Change in				[] Ot	ner (Please expl	ain)			
New Well Recompletion	Oil		Dry	-							
Change in Operator		*****		den sate			ECTIVE 0				. <u> </u>
If change of operator give name and address of previous operator FREI	5 POOL	DRILLI	٧G,	INC.	, P	. O. DRA	WER 1393	, ROSW	ELL, NM 8	8201	······································
II. DESCRIPTION OF WELL	AND LE	ASE	,					1 447	1.21	1 .	ana No
Lease Namo CHUKKA FEDERAL		Well No.		l Namo, II TESIA		ing Formation G-SA	•		id of Lease te, Federal SOPE		,case No. 1852
Location		J	L				66	0	<u></u>	We	st
Unit LetterE	:	1980	Feet	From Th		North Lin	e and		Feet From The		Line
Section 12 Townshi	p 18S	·······	Rang	<u>2</u>	7E	, N	мрм,			EDDY	County
III. DESIGNATION OF TRAN	SPORTE	R OF O	LA	ND NA	TU	RAL GAS				f	
Name of Authorized Transporter of Oil NAVAJO CRUDE OIL PUR	rXXi	or Conden	sale			Address (Gn	ie address to w 19, ARTES	ich <i>appro</i> i IA, NM	ved copy of this) 88210	OFM: 13 10 02 3	zni j
Name of Authorized Transporter of Casing		Ď	or D	ny Gas [Address (Gir		hich appro	red copy of this j	form is to be s	eni)
PHILLIPS PETROLEUM If well produces oil or liquids,	Unit	Sec.	Twp.			ls gas actuali	y connected?		ien ?		
give location of tanks.	E	12			7E	,	lO ber				
If this production is commingled with that IV. COMPLETION DATA	rom any ou	et lease of l	,1000	gree com	որությ	ing order non-					
Designate Type of Completion	- (X)	Oil Well	7	Gas We	:li	New Well	Workover 	Deeper	Plug Back	Same Res'v	Diff Res'v
Date Spudded		pi. Ready to	Prod.	-		Total Depth P.B.T.D.					
Elevations (DF, RKB, RT, GR, etc.)	Name of P	roducing Fo	matic	Ou		Top Oil/Cas	Pay	·····	Tubing Dep	th	······································
Perforations	İ					J			Depth Casis	ig Shoe	
						CTT 153 TOTAL	VO DECOR				
		JUBING,			นถ	CEMENTI	NG RECOR	<u>.u</u>	[SACKS CEM	ENT
HOLE SIZE	- C/A	3840 & 10	Ditte								
									 		
. TEST DATA AND REQUES	T FOR A	LLOWA	BLI	E			and too all	wahle for	this death or he	for full 24 hou	vs.}
OIL WELL (Test must be after re Date First New Oil Run To Tank	Date of Tes		f load	d ou and	musi	Producing Me	thod (Flow, pu	mp, gas lif	, elc.)		
Wife Life Mem Off Your 10 18mx	Date of 100	*							Choke Size	posti	d ID-3
ength of Tex	Tubing Pres	STIRE	•			Casing Pressu	ite				J
Actual Prod. During Test	Oil - Bbls.					Water - Bbls.			Gas- MCF	6.hg	OP
GAS WELL										'onderes	
Actual Prod. Test • MCF/D	Length of I	i'est				Bols, Conden-	sate/MMCF		Gravity of C	Officerens	
esting Method (pitot, back pr.)	Tubing Pres	spure (Shut-i	л)			Casing Pressu	re (Shut-in)		Choke Size		
I. OPERATOR CERTIFICA	TE OF	COMPI	JA	NCE				SER\	/ΔΤΙΩΝΙ	DIVISIO)N
I hereby certify that the rules and regular Division have been complied with and th	ions of the 6	Oil Conserva	tion		OIL CONSERVATION DIVISION						
is true and complete to the best of my kn	iowledge an	d belief.			Date Approved OCT 2 3 1990						
Armis Presto		٠					المنسور				
the state of the s	CION SU	PERINT	ENDI	ENT	-	By_			NED BY	<u>.</u>	
Printed Name Title 10/08/90 915/683-6293 Date Telephone No.							MIKE WILLIAMS Title SUPERVISOR DISTRICT IT				
10/08/90 Date											

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- All sections of this form must be filled out for allowable on new and recompleted wells.

 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

 4) Separate Form C-104 must be filled for each pool in multiply completed wells.

District I 1625 N. French Dr., Hobbs, NM 88240 State of New Mexico Energy, Minerals & Natural Resources

POLITE CARGI Revised March 12, 1999

Obstrict II

811 South First, Artesia, NM 88210

District III

2040 South Pacheco

Submit to Appropriate District Office State Lease - 6 Copies

						nta Fe. NM	r 87505(&)	A	<i>*</i>		Fu	c Lease - 5 Copies
<u>rict IV</u> 2040 South Pacha							\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	APR 1	999	21		NDED REPORT
APPLIC	ATION	FO	R PE	ERMIT	TO DRI	LL, RE-EN	TER, DEE	RESELV	EDUGB!	ACK, C	DR AD	D A ZONE
		***********				ne and Address.	V. V.	U - AR	IESIA	<i>§</i> / [, ο	GRID Nomber
Navajo R	efining (Com	oany	,			15694					
Post Offic	e Box	59					1.0	်/၁၅	15.00	-		API Number
Artesia, N	lew Me	kico (3821	.1)15-20894				
4 Prop	erty Code						Property Name Well					
タ:	359 i	<u> </u>					WDW 基			***************************************		
					,		Location			1	4.45	
UL or lot no.	Section	Town	· i · I I .			1	North/South lin	e Foe	t from the	East/We		County
E	12	18		27E		1980	North		660		Vest	Eddy
		Y			···-		tion If Diffe		t from the	ACC Ess/Wi	ud Nau	County
UL or lot no.	Section	Tuwns	hip	Kungé	Lot Idn	Feet from the	North/South lin	E Lee	t iroin the	Eastland	ai nac	County
	<u> </u>	· '	ruposio	d l'onl t		L	<u> </u>		¹⁸ Ртора	osed Puol 2	·	969/8
Lewer	Wolfca		•		n Injectio	on Zone	Navajo	/nje	CTion	;Pec	MO-	Penn.
" Work ?	Type Code	Т		' Well Type	Çnde	¹³ Cublo	/Rolary	ų,	Lease Type Co	ode	^{t)} Gro	und Level Elevation
5	entry	- [ss I Inj		1	R Federal 36			3607	07' GR, 3623' KB	
av Mi	altiple	<u> </u> _	ı	Proposed 1	Depth	if For	matios		17 Contractor			Spud Date
1	lo .			9200	•	Str	trawn				5/15/99	
<u></u>					1 Propos	sed Casing a	g and Cement Program					
llok S				g Sixu		ig welght/foot	Setting Depth Sacks of Cement Estimated					Fatimated TOC
11"				78"		32 lb/ft	1995 fe		·	800	Surface	
7-7/8	3"		5-1	/2"		17 lb/ft	9200 ແ		Caliper			Surface Datashatha
Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowned prevention program, if any. Use additional sheets if necessary. Proposed Reentry of The Eastland Oil Company (originally Fred Pool Drilling, Inc.) Chukka Federal No. 2 (PBTD 1912 feet, September 10, 1985) formerly Amoco Production Company Diamond Federal Gas Com. No. 1 (OTD 10,372 feet, P&A August 31, 1973). The well currently produces oil and gas from perforations from 1446 feet to 1462 feet (Penrose.) Navajo will squeeze the perforations from 1446 feet to 1462 feet, drill out cement plugs, and clean out the well to 9200 feet, set 5-1/2 inch easing at 9200 feet and cement to the surface, perforate porous intervals in the Lower Wolfcamp, Cisco, and Canyon Formations between 7270 feet and 9200 feet, and conducted injectivity tests. Attached are the Well Location Plat and Drilling Program.												
" I hereby certify							<u> </u>	1. CO	NSERVA	TION	DIVIS	NOIS
niy knowledge a		AA 4	ΛA	,		L	,	200	• • · · ·	2.7		
Signature:												
Printed name:	Dercel	M	001	<u>e</u>			ide:		Mus	mi.	ye.	wise
Title: Env.	Mgr	er V	iate	r 4 W	aste		Approval Date: S	- 3	<u>-99</u>	Explination	13366; <	3-3-0c
Pate: 4/21	99 [*]	<u></u>		60-	5-748-3		Conditions of Approx Attached	val :				

THE CO TODO FOR TELOGRAPHICA OF SELEC

<u>District I</u> 1625 N. French Dr., Hubbs, NM 88240 State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised March 17, 1999

District II

South First, Arlesia, NM 88210 ict III 1000 Rio Brazos Rd., Azloc, NM 87410 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505 Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

<u>District IV</u> 2040 South Pacheco, Sunta Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 'Pool Code Lower Wolfcamp-Cisco-Canyon Injection Zone

'Property Code WDW-2

'OGRID No. 'Operator Name 'Elevation Navajo Refining Company 3607' GR

10 Surface Location

1	UL or lot no.	Section	Township	Kunge	Lot Idn	Feet from the	North/South line	Feet from the	Post/West line	County
	E	12	18S	27E		1980	North	660	West	Eddy

11 Rottom Hole Location If Different From Surface

Bottotti Hote Location ii Directetti Trom curiace												
UL or lot no.	Section T	ownship	Кипус	Lot Idn	Feet from the	North/South Une	Feet from the	East/West line	County			
DE DE LOS 1805	,	Trimbe	•••••		· · · · · · · · · · · · · · · · ·]	1	1			
1 1	ì	I	1	1				• 1				
		L	41 8 -1 - 40	de ¹⁴ Orde	- NI		· · · · · · · · · · · · · · · · · · ·					
" Dedicated Acres	Joint or L	amı "Co	usolidation Co	de Orde	A. 140"		· · ·		٠ .			
•	l l	1		1					ļ			
		1										

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

1/01/-011//-	Jard Unii nas bedi		
<u> </u>			"OPERATOR CERTIFICATION
ļ		31	I hereby certify that the ligormation contained herein is true and
		1	complete to the best of my knowledge and belief
		ı	
1000			
1980'	1		
			Printed Name Darrell Moore Tille Env. Mgr. for Water & Waste
↓			- A
← 660'→•			Primer Parrell Moore
			TILL Env. Mgr. for Water & Waste
			Date 4/21/99
			I SURVEYOR CERTIFICATION
		l	I hereby certify that the well location shown on this plat wits
Į į			
			placed 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 belief.
	1 . 1	,	Date of Survey
			Signature and Smit of Professional Surveyers
The state of the s]		Well is active. Location was not re-surveyed by
			Navajo.
1			
	1	l	
_		Ì	
	[Certificate Number

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 (505) 827-7133 Fax: (505) 827-8177



(PLEASE DELIVER THIS FAX)

To: TIM GUMM - ARTESIA OCO JAX 748-9720
From: WAYNE PRICE - OCD SE
Date: 4/30/99
Number of Pages (Includes Cover Sheet)
Message: APPRIVED BOND FOR NAVATO WIW #2
CLASS I INSECTION WELL (COPY)
If you have any trouble receiving this at any

If you have any trouble receiving this, please call: (505) 827-7133

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe. Hew Mexico 87595 (585) #27-7131

April 19, 1999

CERTIFIED MAIL RETURN RECEIPT NO. Z 559 573 590

J.S. Ward & Son, Inc. 104 South Fourth Street Artesia, New Mexico 88210-2195

Attention:

Mr. Gary Sims

Re:

Navajo Refining Company Discharge Plan UIC-CLI-008-2

Bond No. 58 96 12

\$ 95,000.00 One-Well Plugging Bond

to the State of New Mexico for Class I Injection Well WDW#2 1980' FNL and 660' FWL - Sec 12-Ts18s-R27e N.M.P.M.

Eddy, County, New Mexico J.S. Ward & Son, Inc., Principal

Gulf Insurance Company, Surety Bond 58 96 12

The New Mexico Oil Conservation Division hereby approves the above-captioned One-Well Plugging Bond.

Legal Counsel

RC/wp

cc:

OCD Artesia Office

Gulf Insurance Company

PROJECT BILLING INFORMATION SHEET

Proposal No. 71Z5678	Project No.	70D6806	Original Proposal/Project Submittal Date: 4/23/12
CLIENT INFORMATION			
Company Name: *	Bio-Lab Inc.		Is this a revision: Yes 🗌 No 🔀
Attention Line: *	Steve Marr		Revision Date:
"Billing" Address: *	1400 East Michiga	ın Street	
	Adrian, Michigan	49221	
Project Manager: *	Joe Thatcher		
"Main" Telephone No: *	(517) 265-6138 Ex	t. 253 (Steve Mai	r) Fax No.
Project Manager's Tele. No.*	(517) 605-0908 (Joe	e Thatcher's Cell	#) Fax No.
Physical (Delivery) Address: '	ŧ		Salesperson (One Only):
Email Address			Taxable Nontaxable
Client's PO/Contract No.	P.O. 4500349691		PO/Contract Date: 04/23/12
Description of Work (TO BE PRII Subsurface Project Manager:	RWS	,	o. 1 MIT and Falloff Survey Performed (One Only): MI
BILLING METHOD: (You must	complete <u>only</u> one o	of the following l	oilling methods):
(1) X 2011 Price List Less	s% ,% H	landling Charge,	or% Procurement Fee
(2) 2004 Price List Less	s%,% H	landling Charge,	or% Procurement Fee
(2) Lump-Sum (Project	t Manager to Notify	Accounting Wh	en to Bill)
(3) Special Billing (Des	•		
(4) Standard Governm	nent Billing:%	Overhead,	% Fixed Fee (Attach Form OF-60)
APPROVED PROJECT BUDGET:	:		CRITICAL DEADLINES:
Amount to be Billed: (A)	\$ 11,670		Proposal Due Date: 3/20/2012
Subsurface Project Cost: (B)	\$		Project Start-up Date:
Gross Profit: (C=A-B)	\$		Project Completion Date:
Gross Profit: (D=C/A)	%		
PROJECT CODES (One Code Per	Line): **		PREPARATION: ***
Industry Sector Code:			RFP Received: Yes No No
Business Line Code:			Written Verbal
Service Type Code:			PBI Prepared By: RWS
Project Type Code:			

- \star Maximum of 30 characters. This description will appear on all client billing information. Be concise.
- ${\tt **} \ \ {\tt See} \ \ {\tt back} \ \ {\tt of} \ \ {\tt Project} \ \ {\tt Billing} \ \ {\tt Information} \ \ {\tt Sheet} \ \ {\tt for} \ \ {\tt Business} \ \ {\tt Line/Service} \ \ {\tt Type/Project} \ \ {\tt Type} \ \ {\tt codes}.$

^{***} A completed (i) RFP for a proposal or (ii) manpower summary and cost estimate for a project should be attached. Revised 7-27-01



J. S. Ward & Son, Inc.

101 South Fourth Street (505) 746-2796 FAX (505) 746-4244 Artesia, New Mexico 88210-2195

Insurance Bonds

April 22, 1999

2.6

State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505-5472

Attention: Mr. Roger Anderson

Re: Navajo Refining Company
Bond No. 58 96 12
\$95,000 One-Well Plugging Bond
to the State of New Mexico for
Class I Injection Well
Chukka Federal #2

Dear Mr. Anderson:

Enclosed please find the captioned bond through Gulf Insurance Company which we trust you find in order and acceptable for filing.

Very truly yours,

J. S. WARD & SON, INC.

By S. Dary Simpa

SGS:emb

Enclosure

cc: Navajo Refining Company Post Office Box 159 Artesia, New Mexico 88211-0159

Attention: Mr. Joe Akins - Copy of Bond & Invoice

THE STREET SE

POST Office Box 159	Gulf Insurance Company
1956 UFF160 884 150	STREET
Artesia. New Mexico 88211-01	101 South Fourth Street
Address	59 Artesia. New Maxico 88210-2195
	Africa A.
Signature	- A May My
President	Aprormay-In-Face
. Title	I
(Note: Principal, if corporation, affin	fitting many
corporate seal here.)	(Mote: Corporate surety affix corporate sesi
ACKNOWLEDGEMENT IN	ORN FOR NATURAL PERSONS
STATE OF	
COUNTY OF	
	•
On thisday of	19 before me personally appeared
executed the formerine formerine	
free act and deed.	wiedged that he (they) executed the same as his (their)
IN WITHESS UNERSOF, I have bereunts set	my band and sent on the day and year in this certificate
first above written.	The same of the sa
	Hotery Public
Ny Commission Expires	
that he is President of N	a personally known the, being by me duly sworn, did say
On this 22nd day of April Jack f Raid , to me that he is President of N going instrument was signed and scaled on he directors, and acknowledged said instrument to IN VITNESS WHEREOF, I have hereunto set a first above written.	a personally known whe, being by me duly sworn, did say avajo Refining Company and that the fore-shalf of said corporation by sutherity of its board of p be the free act and deed of said corporation. By hand and small on the day and year in this certificate Hotary Public OFFICIAL MARK
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Programme Company

011. Octo DESTRUCTION OF ALL PEXICO



POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That GULF INSURANCE COMPANY, a corporation of the State of Missouri, hereinalter called "Company," does hereby appoint

CHARLENE M. WARD or S. GARY SIMS or JOHN C. KNIGHT

ARTESIA, NEW MEXICO

its true and lawful Attorney-in-fact to make, execute, seal and deliver on its behalf, as surety, any and all bonds and undertakings of suretyship. to exceed \$250,000.00 or any bond where the penalty is not stated in the bond form. authority is granted where the attorney in fact is a party at interest in the bond.

The execution of such bonds or undertakings in pursuance of these presents shall be as binding upon the Company as if they had been executed and acknowledged by the regularly elected officers of the Company.

This Power of Attorney is issued pursuant to and by authority of the following resolution of the Board of Directors of the Company, adopted effective July 1, 1963, and now in full force and effect:

esolved that the President, or any Seriar Vice Problems, or any Vice Propingest, or the Scorecary, or any Aspistant Secretary may appoint Atlantary vivilate in any state, lenting or federal district to military careful and the Company, and to account to be proved to the contract of the Company, and to account to be proved to the contract of the Company. its surely, and so its act and dood, any and all bends and underpologic of autoby: series that the ordinary course of surety business may require, including sultainty to appoint agents for the service of process in any jurisdiction, storp or federal, and authority to attent to the signature of the President, or any Serior Yice President, or any Vice President, or the Se o verify any allidant or other statement relating to the language, and to certify to a copy of any of the bytters of the Company and to any resolutions adopted by its gload of Cirectors; and any could not may be removed and the authority granted him several by the President, or any You President, or any You President, or the Secretary, or any Assistant Secretary, or by the Board and to verify any siliciavit or other statement relat

This Power of Attorney and Certificate are signed and sealed by facsimile under and by authority of the following resolution of the Board of Directors of the Company, adopted effective July 1, 1983, and now in full force and effect:

"Resolved that the algorithms of the President, or of any Senior Vice President, or of the Secretary, or of any Assistant Receivery, and the seal of the Collegary may be efficied by the Secretary of the secretary and allowed by the Collegary may be efficied to any part of the secretary and allowed by the Collegary or the secretary and other wilding social and other wilding social and other wilding social and other wilding the sufficient of the secretary and control of process in the secretary and other wilding any fundation. It of allowing and certificate revening the authority of the lanegaing Alloways in lact, as mall as for the apperunenced agents for the pervice of process in any jurisdiction, or of accounty and certificate opening much increase or increase and constraint and allowing or certificate opening much increase or increase and any such power of allowing or certificate opening much increase or increase and any such appears of process of accounts and funding upon the Company at the in the Company and any such constrat atternay or participle to executed and certified by the nd certificate and amended and be the future with respect to any band or underlaining to which dayy are estacted."

> of, the Company has caused this Power of Attorney to be signed and its corporate seal to be affixed by its authorized officer this April 12 , 19_{0]}.

day of Any of 1 . 1801 . Setter me, a Notary Public of the State and Co our of CIUT INSURFACE COMMANY, who being by the first duty arrows according to law, did depose and is TIC that he knows the seal of said company; that the peal alfined is such in

my June

CERTIFICATE

I, the undersigned, do hereby certify that the original Power of Attorney of which the foregoing is a true and correct copy is in full force and effect, and the coins are true and correct transcripts from the records of GULF INSURANCE COMPANY and that the above named officer was on the date & foregoing Power of Altorney authorized to execute this Power of Attorney.

nd silines the corporate sent of Gull Insurance Company the

22nd on or

199

Les Robrey Rechel
Vice President

Cliffere R. Beard

30ch

STATE OF HEW HERICO

ONE-WELL PLUGGING BOND

FOR CHAVES, EDBY, LEA, HCKIMLEY, RED ARRIBA, MODSEVELT, SANDOVAL, AND MAN JUAN COUNTIES ONLY

> воко но. 58 96 12 AHOURT OF BOMD \$95,000.00 county Eddy

MOTE: For wells less than 5,000 feet deep, the minimum bond is \$5,000.000 For wells 5,000 to 10,000 feet deep, the minimum bond is \$7,500.000 For wells more than 10,000 feet deep, the minimum bond is \$10,000.00

....

KNOW ALL HEM BY THESE PRESENTS:

(Here state exect legal footage description)

Range 27 (East) 1558, N.H.P.H.,

Almder certain conditions, a well being drilled under a 85,000.00 or 87,500 bond may be permitted to be drilled as such as 500 feet deeper than the normal maximum depth, i.e., a well being drilled under a \$5,000.00 bond may be permitted to go to 5,500 feet, and a well being drilled under a \$7,500.00 bond may be parmitted no no to 10,500 feet. (See Rule 101)

File with Oll Conservation Division, P. O. Box 2028, Sents Pc 87501

That Navajo Refining Company ANNOUNCE CONTROL OF THE COMPANY OF TH
(a corporation organized in the State of New Mouries
(a corporation organized in the State of New Mexico , with its principal office in the city of Artesia
, State of New Mexico
Guit Insurance Company
a corporation organized and eviating
Missouri moer the laws of the State of
Missouri , and authorized to do business in the State of New Mexico, as SURETY, are held firsty bound note the Charles of Mexico,
The same of the sa
Conservation Division of New Hexico pursuant to Section 70-2-22. New Harton Phasable Line
Compliation, as assended, in the rus of Ninety-Five Thousand and no 100ths
Conservation Division of New Hexics pursuant to Section 70-2-12, New Hexico Statutes Annotated, 1978 Compilation, as amended, in the sum of Ninety-Five Thousand Dollars lawful money of the Boiled States, for the naveent of the Boiled
States, for the payment of which, well and truly to be made, said PRINCIPAL and SUREXY hereby bind
the successors and assigns, jointly and severally, firmly by these presents.
The conditions of this obligation are such that:
MIRREAS, The above principal has heratofore or may hereafter enter into oil and ges lesses, or derive sea lesses, or helium sea less
a water attends tender with the State of New Hexico; and
MEREAS. The above oringinal has become any
dioxide (CO ₂) gas leases, or helium gas leases, or brine mineral leases on lands patented by the United States of America to private individuals, and on lands obtained leases on lands patented by the United
States of America to private individuals, and on lands otherwise owned by private individuals; and
HIEREAS. The phone setseans to the control of the c
MMERIAS. The above principal, individually, or in association with one or more other parties, has commenced or may commence the drilling of one well not to exceed a depth of 9200
feet, to prospect for and produce all
may acquire, own or operate such well, or such well started by others on land embraced in said State oil and gas leases, or carbon dioxide (CO.) leases, or halfum by others on land embraced in said State oil
and gas leases, or carbon stoute, too b
patented by the United States of hearifu to private individuals, and on land individuals, the identification and location to private individuals, and on land otherwise owned by private individuals.
(Here state every least forth and Section 12, Kownship 18

NOW, THEREFORE, If the above boundem principal and surety or either of them or their successors or essions, or any of them, shall plug said wall wass dry or uben abandoned in accordance with the rules, regulations, and orders of the Oil Conservation Division of New Mexico in such way as to confine the oil, gas, brine, and water in the strate in which they are found, and to prevent them from escaping into other

Éddy

12 said

_ County, Hew Mexico.

BRANK (South)

THEM, THEREFORE, This obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect. Signed and scaled this 22nd day of April _, 1999 .

ATTACHMENT A

Sunday, May 9, 1999

Pressure testing the 8-5/8 inch Surface Casing from 1922 feet (KB) to 30 feet (KB) using a fresh water fluid. Pressure testing was performed after the perforations between 1446 feet and 1462 feet were squeezed with cement.

Pressure Test No. 1

Time	Cumulative Time	Pressure		Delta Pressure
(hrs.)	(minutes)	(psig)	(psi)	
1303	0	660		
1308	5	660		0
1313	10	660		0
1318	15	660		0
1323	20	660		0
1328	25	659		-1
1333	30	659		0

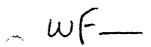
Total =-1 psi per 30 minutes

Pressure Test No. 2

Time	Cumulative Time	Pressure		Delta Pressure
(hrs.)	(minutes)	(psig)	(psi)	
1333	0	659		
1338	5	659		0
1343	10	659		0
1348	15	658		-1
1353	20	658		0
1358	25	657		-1
1303	30	657		0

Total =-2 psi per 30 minutes





TELEPHONE 5) 748-3311

EASYLINK 62905278



REFINING COMPANY

FAX (505) 746-6410 ACCTG (505) 746-6155 EXEC (505) 748-9077 ENGR (505) 746-4438 P / L

501 EAST MAIN STREET • P. O. BOX 159 ARTESIA, NEW MEXICO 88211-0159

May 10, 1999

Mr. Tim Gumm
State of New Mexico
Energy, Minerals and Natural
Resources Department
Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210



RE: Re-Entry for Navajo Refining Company's Waste Disposal Well No. 2

Dear Mr. Gumm:

Navajo Refining Company (Navajo) has contracted Subsurface Technology, Inc. to re-enter, test and complete Waste Disposal Well No. 2 (WDW-2), formerly the Chukka Federal No. 2 operated by The Eastland Oil Company. The United States Department of the Interior, Bureau of Land Management approved the Application for Permit to Drill or Deepen on April 27, 1999. Subsequent approval from the State of New Mexico Oil Conservation Commission (OCD) was granted on Tuesday, May 4, 1999.

Navajo initiated field operations on Wednesday, May 5, 1999. The existing pumping equipment, rods, and tubing were removed from the wellbore. The perforations from 1446 feet to 1462 feet were squeezed using 100 sacks of Class 'H' cement (approximately 50 sacks of cement were displaced into the perforated interval). The cement was allowed to cure and drilled out to a total depth of 1922 feet (KB)(1911 feet below ground level).

On Sunday, May 9, 1999, the 8-5/8 inch surface casing, set from 1955 feet (KB) to surface, was pressure tested for internal mechanical integrity between 1922 feet (KB) and 30 feet (KB) using a packer set at 30 feet. The 8-5/8 inch surface casing was pressure tested to 660 pounds per square inch and monitored at the surface for one hour (Attachment A). The fluid used for testing was a clean fresh water fluid. A pressure loss of 1 psi (0.15%) was observed during the first 30 minutes of the test. A pressure loss of 2 psi (0.30%) was observed during the last 30 minutes of the test. The results from the pressure test confirmed internal mechanical integrity of the 8-5/8 inch surface casing from 1922 feet (KB) to 30 feet (KB).

The 8-5/8 inch surface casing was originally set in an 11 inch open-hole to a depth of 1955 feet (KB) and cemented to surface using 700 sacks of Class 'H' cement with 2% gel and 100 sacks of Class 'H' neat. A total of 200 sacks of cement was recorded circulated to surface. The calculated volume between an 11 inch hole and 8-5/8 inch casing is (0.2407 cubic feet per foot X 1955 feet) 471 cubic feet. The volume of cement pumped is (1.18 cubic feet per sack X 800 sacks) 944 cubic feet for an excess of 473 cubic feet or 400 sacks circulated to surface. The calculated volume of cement and apparent volume of actual cement pumped indicated excess cement was circulated to surface.

On Sunday, May 9, 1999, Halliburton Logging Services completed a cement bond and microsiesmogram (same as a variable density log) logging survey within the 8-5/8 inch casing from a wireline total depth of 1919 feet (KB) to the surface (Attachment B). The results from the survey indicate a continuous column of cement from 1922 feet to surface with good bonding characteristics. The cement behind the 8-5/8 inch casing will provide an effective hydraulic seal to prevent the movement of groundwater fluids into the underground source of drinking water with a base at 473 feet.

Please review and approve the pressure testing and cement bond log results at your earliest convenience. Navajo will proceed with the mobilization of the drilling rig Wednesday, May 12, 1999 and begin re-entry of the WDW-2 wellbore according to the approved drilling program. Navajo will periodically contact the OCD, Artesia office with a status update of the re-entry operations. The Bureau of Land Management will be notified in sufficient time for a representative to witness the cementing of the 5-1/2 inch protection casing.

Should you have any questions or concerns, please call me at (505) 748-3311.

Sincerely yours,

Darrell Moore

Environmental Manager for Water and Waste

c: Mr. David Glass
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201

aull Moore

Mr. Brian Rogers Subsurface Technology, Inc. 7020 Portwest, Suite 100 Houston, Texas 77024

File: Injection Wells

ENVIROCORP

March 30, 1999

Mr. Barry Hunt Bureau of Land Management Carlsbad Resource Area 620 East Greene Street Carlsbad, New Mexico 88220-6292

RE: Navajo Refining Company Proposed WDW-2, Eddy County, New Mexico Request for On-Site Inspection of Wellsite Subsurface Project No. 60A4937

Dear Mr. Hunt:

Navajo Refining Company (Navajo) is purchasing an existing well in Eddy County, New Mexico for planned use as a Class I nonhazardous effluent disposal well, and plans to reenter and test the well in the next few months. The well is on federal land. Subsurface Technology, Inc. (Subsurface), formerly Envirocorp Services & Technology, Inc., on behalf of Navajo, requests your participation in an on-site inspection of the wellsite as soon as possible.

Pertinent information about the existing well is provided below:

Lease Number:

NM 6852

Current Operator:

The Eastland Oil Company (September 1990 to present)

Lease:

Chukka Federal No. 2

Former Operator:

Fred Pool Drilling Company (August 1985 to September

1990)

Former Operator:

Amoco Production Company (July 1973 to August 1985)

Former Lease:

Diamond Federal Gas Com. No. 1

Location:

1980' FNL, 660' FWL (SW/4 NW/4, Unit Letter E) 12-

T18S-R27E

Topographic Map (Attachment A)

Original Total Depth:

10,372 feet

Plugged-Back Total Depth: 1912 feet

Well Schematic (Attachment B)

Status:

The well is producing from the Penrose from perforations

between 1446 feet and 1462 feet. Navajo is convent

negotiating to purchase the well from Eastland Oil Company. The purchase should be completed by April 1, 1999.

Navajo proposes to reenter the well, squeeze the perforations from 1446 feet to 1462 feet, drill out the plugs and clean out the well to approximately 9200 feet, set 5-1/2 inch casing at 9200 feet and cement it to the surface, and conduct one or more injectivity tests. The proposed injection intervals are porous zones in the lower portion of the Wolfcamp Formation (7270 feet to 7645 feet), the Cisco Formation (7645 feet to 8390 feet), and the Canyon Formation (8390 feet to 8894 feet). Navajo's proposed reentry, testing, and recompletion procedure is included as Attachment C. A schematic of the well after recompletion is included as Attachment D.

Subsurface is currently preparing a discharge plan application for the Class I well for Navajo to submit to the New Mexico Oil Conservation Division and the BLM Roswell office near the end of April 1999. Subsurface is also preparing BLM Form 3160-3 (Application for Permit to Drill) for Navajo to submit to the BLM Roswell office.

Please contact me at (713) 880-4640 to schedule an on-site inspection of the wellsite. Do not hesitate to call me if you need additional information or if you have questions.

Sincerely,

Nancy L. Niemann Senior Geologist

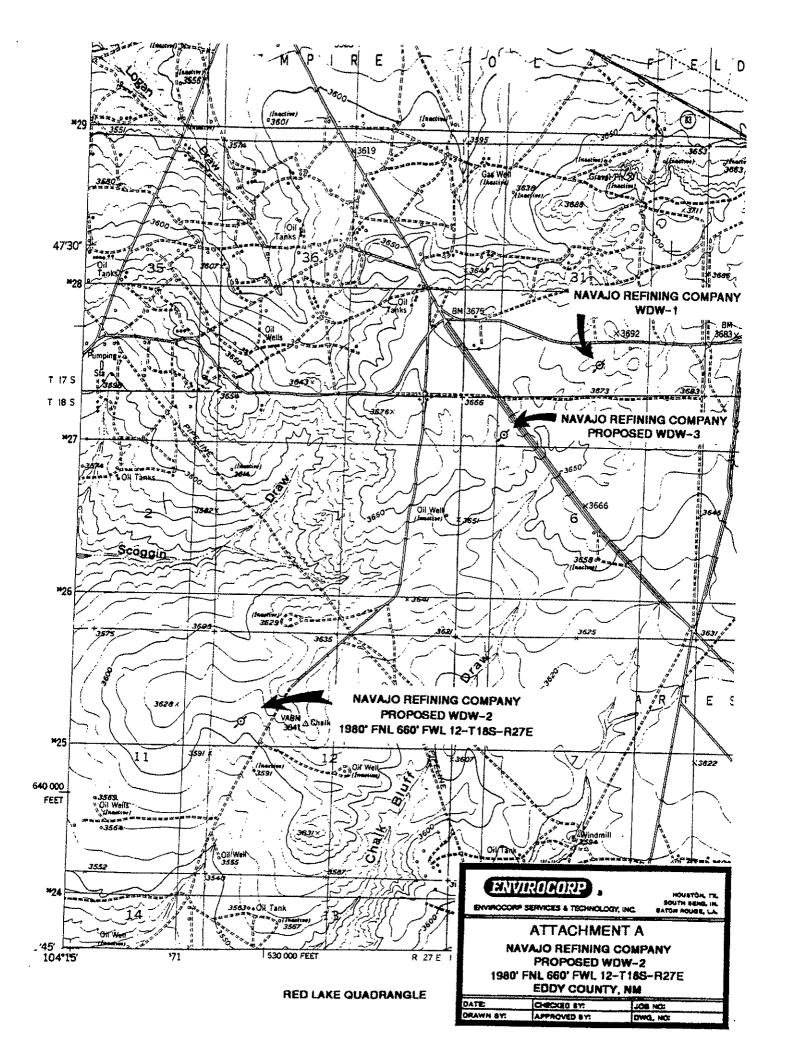
NLN/paf Attachments

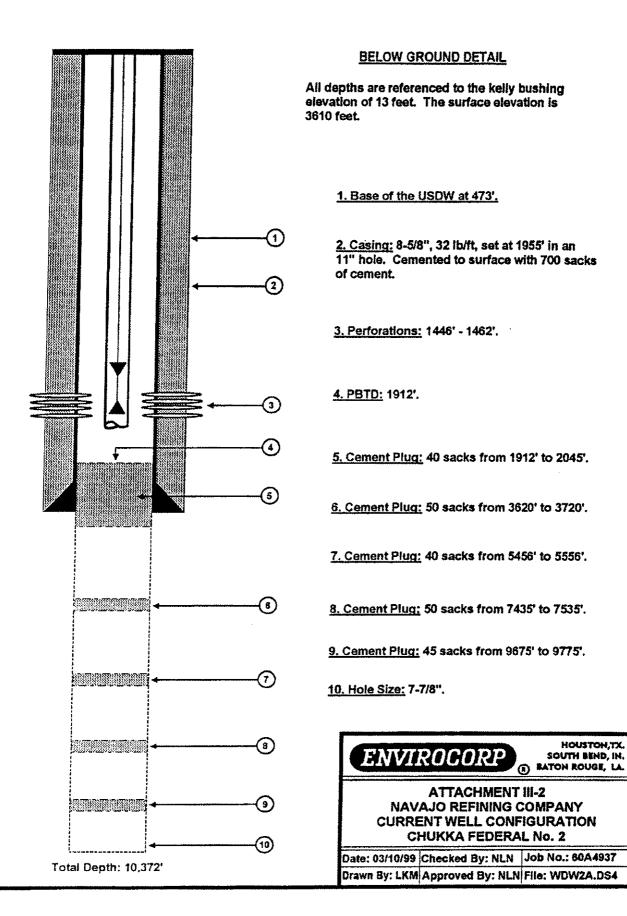
c: Joe Lara – BLM, Carlsbad
David Glass – BLM, Roswell
Wayne Price – OCD, Santa Fe
Tim Gum – OCD, Artesia
Phil Youngblood – Navajo
Darrell Moore – Navajo
George Walbert – Holly Petroleum, Inc.

naucy L. niemann

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ATTACHMENT C

DRILLING AND RECOMPLETION PROCEDURE FOR NAVAJO REFINING COMPANY'S PROPOSED WDW-2

- 1. Obtain all permits and approvals for the reentry, testing and completion of a currently existing well.
- 2. Move in and rig up a workover unit. Remove the pumping equipment and pull the tubing out of the well.
- 3. Go in the hole with a squeeze packer and squeeze the perforations from 1446 feet to 1462 feet with 100 sacks of Class "H" cement. Allow the cement to cure.
- 4. Drill out the cement, circulate the well clean and pressure test the squeezed perforations at 500 psig for 30 minutes. Pull the squeeze tools out of the hole.
- 5. Conduct a CBL/VDL survey from 1912 feet to the surface. Submit the results of the pressure test and CBL/VDL survey to the OCD and the BLM for their review and approval prior to mobilizing the drilling rig.
- 6. After receiving approval from the OCD and the BLM to continue the reentry, prepare the location for the selected drilling rig. Construct the lined reserve pits, dig out the cellar, and install a mousehole and rathole.
- 7. Move in and rig up the rotary drilling rig and install the blowout preventers.
- 8. Drill out the following cement plugs and conduct deviation surveys every 1000 feet or on trips:
 - a. 1912 feet to 2045 feet, 40 sacks
 - b. 3620 feet to 3720 feet, 50 sacks
 - c. 5456 feet to 5556 feet, 40 sacks
 - d. 7435 feet to 7535 feet, 50 sacks
- 9. Clean the well out to a depth of 9200 feet and circulate and condition the hole for logging. Make a wiper trip to the base of the 8-5/8 inch surface casing while strapping the drillpipe.
- 10. Conduct a formation microimager (FMI) survey with gamma ray from the well's total depth to 4000 feet. Continue the four-arm caliper survey to the 8-5/8 inch

1

Subsurface Technology, Inc.



ATTACHMENT C (Continued)

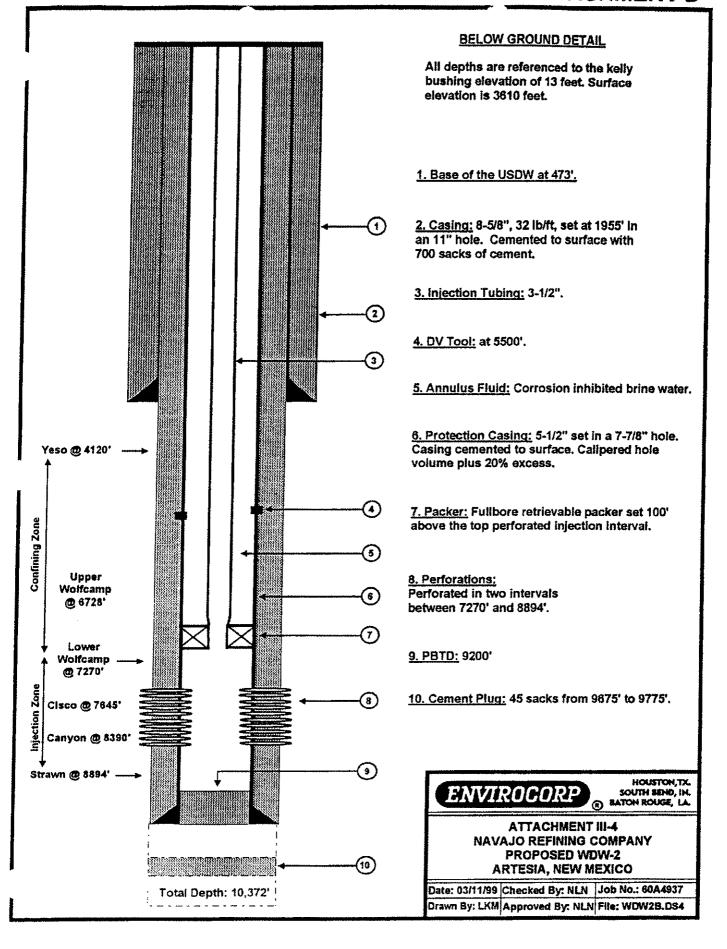
casing shoe. Process the FMI for fracture identification over the lower 200 feet of the confining zone and zones of interest in the injection zone, if warranted.

- 11. Spot a gelled pill at 9200 feet and lay down the drillpipe.
- 12. Run the 5-1/2 inch casing with a packoff shoe and float collar to 9200 feet. Install a "DV" tool at 5500 feet. Run centralizers at approximately 120-foot intervals.
- 13. Cement the 5-1/2 inch casing in place. Use a minimum of 20% excess cement as calculated from the caliper log. Circulate cement to the surface and allow to cure.
- 14. Clean out the mud pits and release the drilling rig 12 hours after cementing the 5-1/2 inch casing in place.
- 15. Stabilize the 5-1/2 inch casing at the surface using ready-mix cement.
- 16. Move in and rig up the completion rig pump, tank, power swivel, and work string. Install the blowout preventer.
- 17. Run in the well with a 4-3/4 inch bit to the "DV" tool and test the casing to 1500 psig for 30 minutes.
- 18. Drill out the "DV" tool and clean out the wellbore to the float collar. Test the casing to 1500 psig for 30 minutes. Circulate the wellbore with clean brine, preceded by 15% HCL to clean the casing. Trip the work string out of the well.
- 19. Conduct the casing inspection, CBL/VDL, and differential temperature surveys.
- 20. Perforate the selected injection interval as determined from the open hole logs. (Zone 1).
- 21. Run in the well with a packer and tailpipe. Set the packer above the top perforation and swab test the perforated interval. Recover at minimum two tubing volumes of the reservoir fluid for analysis (Note: Set up H₂S monitoring equipment prior to swabbing operations).
- 22. Acidize the zone using diverters. Pull the packer out of the well.
- 23. Perforate the next selected injection interval as determined from the open hole logs (Zone 2).

ATTACHMENT C (Continued)

- 24. Run a retrievable bridge plug and packer into the well and isolate Zone 2.
- 25. Acidize Zone 2 using diverters. Pull the retrievable bridge plug and packer out of the well, laying down the work string.
- 26. Conduct an injection test down the 5-1/2 inch casing at 420 gpm for 12 hours followed by a pressure falloff test.
- 27. Conduct a differential temperature survey and radioactive tracer survey to determine the injection profile.
- 28. Run the injection tubing and packer. Fill the annulus with corrosion inhibited brine.
- 29. Wait for the well system to come to thermal stabilization (approximately 24 hours).
- 30. Conduct an annulus pressure test witnessed by the OCD.
- 31. Rig down and move out all equipment and close the reserve pit.
- 32. Install the annulus monitoring system and return the well to the client.





CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Navajo Refining Company Well No. 2 - WDW Location: 1980' FNL & 660' FWL sec. 12, T. 18 S., R. 27 E.

Lease: <u>NM-6852</u>

I. DRILLING OPERATIONS REQUIREMENTS: [Deepening]

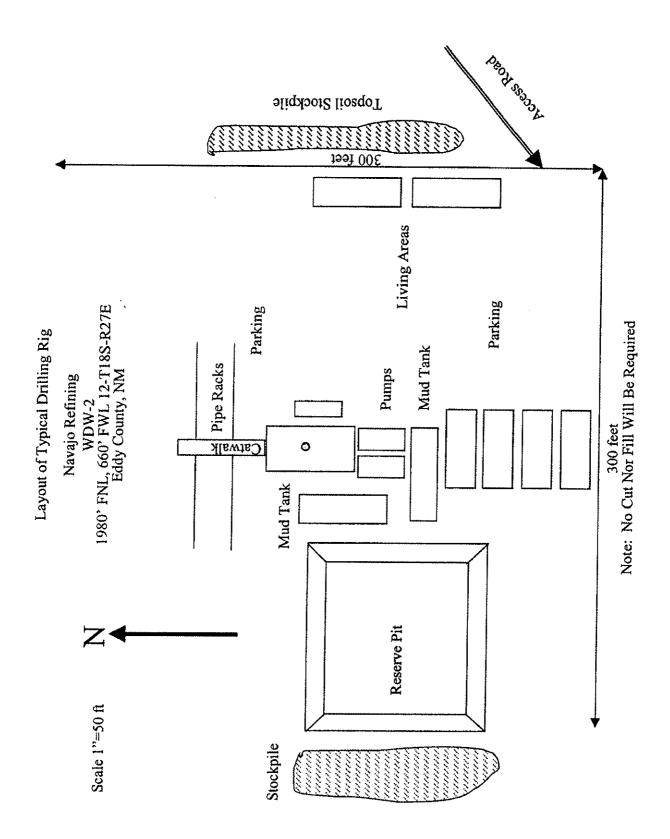
- 1. The Bureau of Land Management (BLM) is to be notified at (505) 887-6544 in sufficient time for a representative to witness:
- A. Cementing casing: 5-1/2 inch
- 2. Unless the injection casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

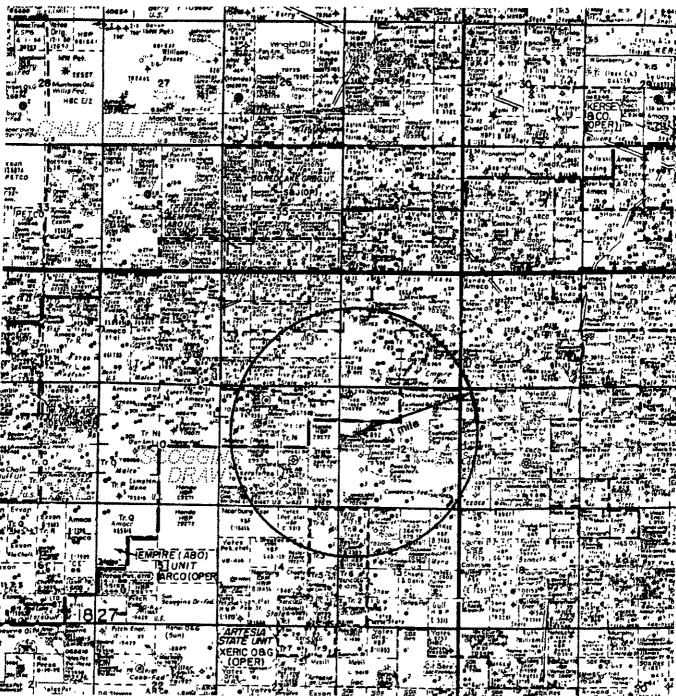
II. CASING:

1. Minimum required fill of cement behind the <u>5-1/2</u> inch injection casing is <u>sufficient to circulate to the surface.</u>

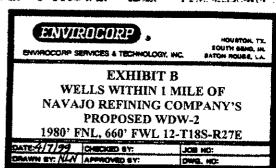
III. PRESSURE CONTROL:

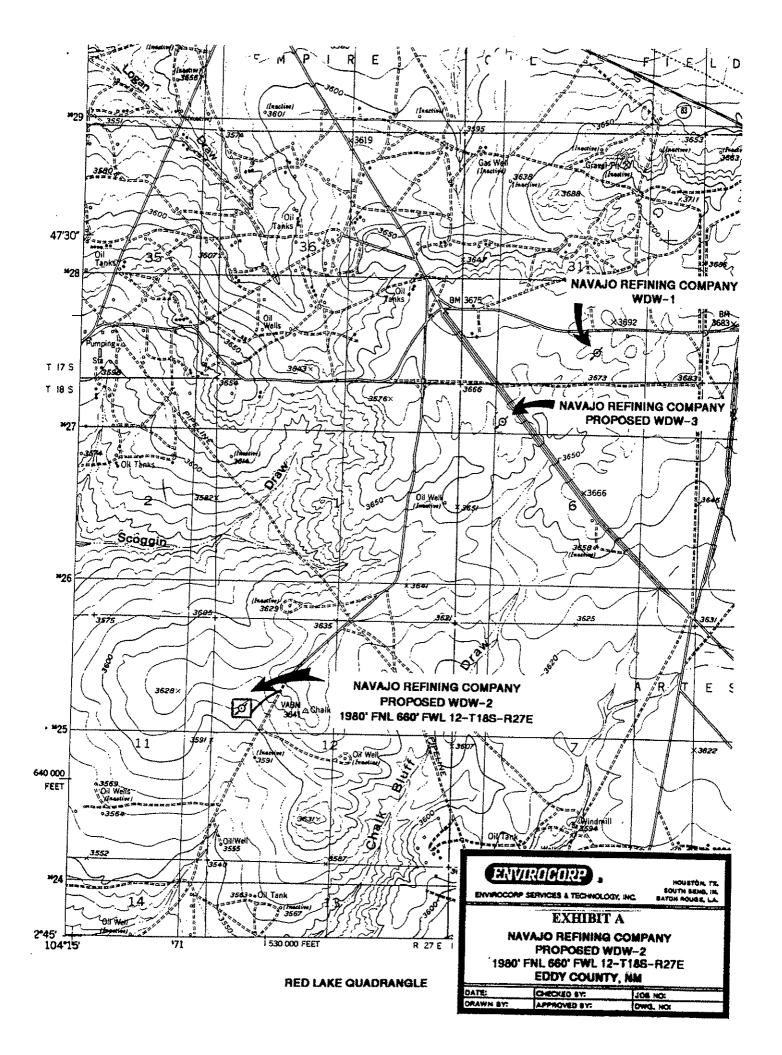
- 1. Before drilling into the 100 foot 8-5/8 inch surface casing shoe cement plug at approximately 1912 feet, the blowout preventer assembly shall consist of a minimum of One Annular Preventer, Two Ram-Type Preventers, and a Kelly Cock/Stabbing Valve
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 3000 psi.
- 3. After drilling into the 100 foot 8-5/8 inch surface casing shoe cement plug at approximately 1912 feet and before drilling into the 100 foot Abo cement plug at approximately 5450 feet, the BOPE shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- A. The results of the test will be reported to the BLM Carlsbad Resource Area office at 620 East Greene Street, Carlsbad, New Mexico 88220-6292.
- B. Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- C. Testing must be done in a safe workman like manner. Hard line connections shall be required.





Map courtesy of Midland Map Company





SURFACE USE PLAN

NAVAJO REFINING COMPANY PROPOSED WDW-2 1980' FSL, 660' FWL of 12-T18S-R27E EDDY COUNTY, NEW MEXICO

- 1. Existing Roads: Existing roads that lead to the proposed drillsite are shown on Exhibit A.
- 2. Access Roads To Be Constructed: No new access road is proposed.
- 3. Location of Existing Wells: Existing wells within one mile of proposed WDW-2 are shown on Exhibit B.
- 4. <u>Location of Proposed Facilities If Well Is Completed</u>: The well will be shut in after completion and testing.
- 5. <u>Location and Type of Water Supply</u>: Water for reentry, testing, and completion operations will be purchased from a commercial water hauler.
- 6. Source of Construction Materials: Materials required for construction of the site will be taken from a state-owned pit.
- 7. Methods of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in the drilling pits.
 - D. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit C.



- E. All trash and debris will be buried or removed form the wellsite after finishing drilling and/or completion operations.
- 8. Ancillary Facilities: None anticipated.

9. Wellsite Layout:

- A. The wellsite will be surveyed, and a 400' x 400' area will be staked and flagged.
- B. The dimensions and relative location of the drill pad, mud pit, and trash pit, with respect to the wellbore, are shown on Exhibit C.
- C. Existing topsoil to a depth of 6 inches will be lifted and stockpiled at the northeastern (uphill) end of the well pad. The stockpiled topsoil will be located uphill to avoid mixing with subsurface materials.
- D. The well pad will be surfaced with material found in place.
- E. The pits for mud and cuttings will be lined with 6-mil plastic.

10. Plans for Restoration of Surface:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash, and junk will be removed and the location cleaned.
- D. The stockpiled topsoil will be spread over the surface of the location.
- 11. Surface Ownership: U.S. Department of Interior, Bureau of Land Management.

- 12. <u>Archaeological Survey</u>: An archaeological survey of the drill pad was submitted to the BLM on July 31, 1985, on behalf of Fred Pool Drilling Company. An archeological survey was conducted by Navajo Refining Company and will be submitted by Navajo under separate cover.
- 13. Operator's Representatives: Representatives responsible for assuring compliance with the approved Surface Use Plan:

Mr. Darrell Moore Navajo Refining Company Post Office Box 159 Artesia, New Mexico 88211 505/748-3311

Mr. Jim Bundy Subsurface Technology, Inc. 7020 Portwest Drive, Suite 100 Houston, Texas 77024 713/880-4640

Exhibits

- A. Topographic Map
- B. Oil and Gas Map
- C. Sketch of Well Pad

14. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Navajo Refining Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4/15/99	Davil More			
Date	Dariell More			
	Env. Mgs. S. Water & Waste			
	Navajo Refining Company Company			

BOP Minimum Requirements

- a. 11-inch, 3000-psi working pressure double-hydraulic BOP.
- b. 11-inch, 3000-psi working pressure annular BOP.
- c. 3-inch, 3000-psi working pressure manual choke manifold.

A schematic of the BOP stack is included as Exhibit A.

- 8. Drill out the following cement plugs and conduct deviation surveys every 1000 feet or on trips:
 - a. 1912 feet to 2045 feet, 40 sacks
 - b. 3620 feet to 3720 feet, 50 sacks
 - c. 5456 feet to 5556 feet, 40 sacks
 - d. 7435 feet to 7535 feet, 50 sacks

Estimated Tops of Geologic Formations

San Andres	2005'	Lower Wolfcamp	7270'
Yeso	4210'	Cisco	7645'
Abo	5506'	Canyon	8390'
Wolfcamp	6728'	Strawn	8894'

No fresh water or hydrocarbons are expected to be encountered.

Expected Bottom-Hole Pressure and Hazards

The expected bottom-hole pressure is 3500 psia at the total depth of 9200 feet. The bottom-hole pressure was determined from the pressure measured in Navajo's WDW-1, or 2928 psia, at 7924 feet. Navajo's WDW-1 is completed in the same interval proposed for WDW-2 and is located 11,000 feet northeast of WDW-2 in 31-T17S-R28E. The average specific gravity of the fluid between 7924 feet and 9200 feet is expected to be 1.034, which is the specific gravity of the fluid swabbed from the interval between 8220 feet and 8476 feet in WDW-1. The expected bottom-hole pressure at 9200 feet in proposed WDW-2 is calculated below:

BHP (9200 feet) =
$$2928 \text{ psia} + (9200 \text{ feet} - 7924 \text{ feet}) \times 0.433 \text{ psi/ft} \times 1.034$$

= 3500 psia



No abnormal pressures or temperatures or other hazards are expected while drilling or testing the well. Hydrogen sulfide monitoring equipment will be set up prior to swabbing operations.

- 9. Clean the well out to a depth of 9200 feet and circulate and condition the hole for logging. Make a wiper trip to the base of the 8-5/8 inch surface casing while strapping the drillpipe.
- 10. Conduct a formation microimager (FMI) survey with gamma ray from the well's total depth to 4000 feet. Continue the four-arm caliper survey to the 8-5/8 inch casing shoe. Process the FMI for fracture identification over the lower 200 feet of the confining zone and zones of interest in the injection zone, if warranted.
- 11. Spot a gelled pill at 9200 feet and lay down the drillpipe.
- 12. Run the 5-1/2 inch, 17-lb/ft, J-55, LT&C casing with a packoff shoe and float collar to 9200 feet. Install a "DV" tool at approximately 5800 feet. Run centralizers at approximately 120-foot intervals.
- 13. Cement the 5-1/2 inch casing in place. Use a minimum of 20% excess cement as calculated from the caliper log. Circulate cement to the surface and allow to cure.

Cement Program

- a. Stage 1 Cement (total depth to 5800 feet): Lightweight Class H with fly ash, gel, friction reducer, and salt mixed with fresh water.
- b. Stage 2 Lead Cement (5200 feet to the surface): Lightweight Class C with gel and bridging agents mixed with fresh water.
- c. Stage 2 Tail Cement (5800 feet to 5200 feet): Class C mixed with fresh water.
- 14. Clean out the mud pits and release the drilling rig 12 hours after cementing the 5-1/2 inch casing in place.
- 15. Stabilize the 5-1/2 inch casing at the surface using ready-mix cement.

- 16. Move in and rig up the completion rig pump, tank, power swivel, and work string. Install the blowout preventer.
- 17. Run in the well with a 4-3/4 inch bit to the "DV" tool and test the casing to 1500 psig for 30 minutes.
- 18. Drill out the "DV" tool and clean out the wellbore to the float collar. Test the casing to 1500 psig for 30 minutes. Circulate the wellbore with clean brine, preceded by 15% HCL to clean the casing. Trip the work string out of the well.
- 19. Conduct the casing inspection, CBL/VDL, and differential temperature surveys.
- 20. Perforate the selected injection interval as determined from the open hole logs. Depending on the height of the perforated interval, the interval may be perforated in two stages, as Zone Nos. 1 and 2.
- 21. Run in the well with a packer and tailpipe. Set the packer above the top perforation and swab test the perforated interval. Recover at minimum two tubing volumes of the reservoir fluid for analysis (Note: Set up H₂S monitoring equipment prior to swabbing operations).
- 22. Acidize the perforated zone (Zone 1) using diverters. Pull the packer out of the well.
- 23. Perforate the next selected injection interval (Zone 2) as determined from the open hole logs.
- 24. Run a retrievable bridge plug and packer into the well and isolate Zone 2.
 - 25. Acidize Zone 2 using diverters. Pull the retrievable bridge plug and packer out of the well, laying down the work string.
 - 26. Conduct an injection test down the 5-1/2 inch casing at 420 gpm for 12 hours, followed by a pressure falloff test.
 - 27. Conduct a differential temperature survey and radioactive tracer survey to determine the injection profile.

- 28. Run the injection tubing and packer. Fill the annulus with corrosion inhibited brine.
- 29. Wait for the well system to come to thermal stabilization (approximately 24 hours).
- 30. Conduct an annulus pressure test witnessed by the OCD.
- 31. Rig down and move out all equipment and close the reserve pit.
- 32. Install the annulus monitoring system and return the well to the client.

Logging, Testing, And Coring Program

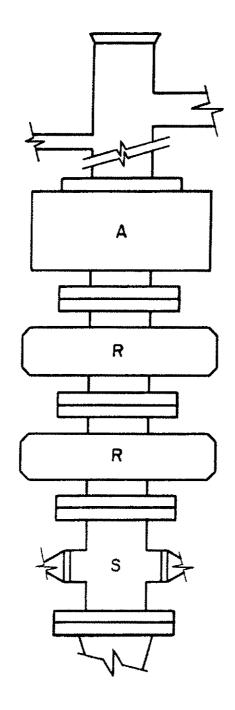
A formation fluid sample will be retrieved from the proposed injection zone in proposed WDW-2. Navajo will conduct injectivity testing in the injection zone of proposed WDW-2.

No coring is planned.

The proposed logging program is described below:

HOLE/CASING	OPEN-HOLE LOGS	CASED-HOLE LOGS
	Proposed WDW-2	
11 inch Surface Borehole (8-5/8 inch Casing) 1995 feet		Logs Run in 1973: Gamma Ray Logs Proposed on Reentry: Cement Bond/Variable Density Casing Inspection Log
7-7/8 inch Long-String Borehole (5-1/2 inch Casing) 9200 feet	Logs Run on August 27, 1973: Dual Induction-Laterolog/ Spontaneous Potential Compensated Neutron/ Formation Density Caliper Gamma Ray Logs Proposed on Reentry: Fracture Identification Log 4-Arm Caliper	Logs Proposed on Reentry: Cement Bond/Variable Density Casing Inspection Log Differential Temperature Log Radioactive Tracer Survey

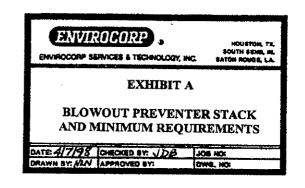




- A = ANNULAR-TYPE BLOWOUT PREVENTER 11-inch throughbore, 3000-psi working pressure
- R = RAM-TYPE BLOWOUT PREVENTER
 11-inch throughbore, 3000-psi working pressure
- S = DRILLING SPOOL WITH SIDE OUTLET CONNECTIONS FOR CHOKE AND KILL LINES

MANUAL CHOKE MANIFOLD 3-inch throughbore, 3000-psi working pressure

Source: API RP 53: Recommended Practices for Blowout Prevention Equipment Systems



FORM APPROVED OFF
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	BY STATE AND R.	removal is to discrete.	rive duce	AMMAIST	EUAL.	SIPL	ATIONS - 2004. 16 p	roposal is to drill or
open directionally, give po	ninest data on adsource location	te and measured and in		deposit. Grandia	77 37 77	program, i	t æsy.	
man Day	Il More	TIT	E	AV. MA	8 5. 15	. ` 7	4/1	/59
(This space for Fed	leral or State office use)		<u></u>					
				approval date _				
PERMIT NO.	s not were not a certify that the app	licant holds level or en	 v itable ti ti		he subject les	se which wo	aid entitle the applicant to co	educt operations thereo
CONDITIONS OF APPROVA								
(ORI	G. SGD.) DAVID R.	GLASS	ţ,	ETROLEUI	4 ENGI	NEER	APR 27	1999
APPROVED BY		TRE			······································	<u> </u>	DATE PU IC D	- · · ·

District I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Depart at Form C-102 Revised March 17, 1999

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505 Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District IV 2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	² Pool Code	Lower Wolfcamp-Cisco-Canyon Injection Zo	
30-015-20894			
* Property Code	* Property Name		Well Number
		WDW-2	
OGRID No.	* Operator Name		* Elevation
	Navajo Refining Company		3607' GR

16 Surface Location

UL or lot so.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County	
E	12	18S	27E		1980	North	660	West	Eddy	ĺ

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot ida	Feet from the	North/South line	Feet from the	East/West line	County
¹¹ Dedicated Acres	u Joint o	r Infill L C	onsolidation C	ode ^{is} Orde	er No.		<u> </u>		
• • • • • • • • • • • • • • • • • • • •									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

	NON-STAND	ARD UNIT HAS BEE	APPROVED BY TH	
			H	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
1980'				David Mari
← 660' > •				Daud More Signate Moore Printed Name Title EAU. Mgr. Due 4118149
				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plot 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 belief.
				Date of Survey Signature and Seal of Professional Surveyor: Well is active. Location was not re-surveyed by Navajo.
				Certificate Number

14. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Navajo Refining Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4/16/99	Davil More				
Date	Darrell Moore				
	Env. Mar. C. Water & Waste				
	Navajo Refining Company Company				

TELÉPHONE (505) 748-3311

> EASYLINK 62905278



N.M. Oil Cons. Division 811 S. 1st Street ARABENINGSRIC283OMPANY

501 EAST MAIN STREET • P. O. BOX 159 ARTESIA, NEW MEXICO 88211-0159 FAX (505) 746-6410 ACCTG (505) 746-6155 EXEC (505) 748-9077 ENGR (505) 746-4438 P/L

May 10, 1999

Mr. Tim Gumm
State of New Mexico
Energy, Minerals and Natural
Resources Department
Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210





RE: Re-Entry for Navajo Refining Company's Waste Disposal Well No. 2

Dear Mr. Gumm:

Navajo Refining Company (Navajo) has contracted Subsurface Technology, Inc. to re-enter, test and complete Waste Disposal Well No. 2 (WDW-2), formerly the Chukka Federal No. 2 operated by The Eastland Oil Company. The United States Department of the Interior, Bureau of Land Management approved the Application for Permit to Drill or Deepen on April 27, 1999. Subsequent approval from the State of New Mexico Oil Conservation Commission (OCD) was granted on Tuesday, May 4, 1999.

Navajo initiated field operations on Wednesday, May 5, 1999. The existing pumping equipment, rods, and tubing were removed from the wellbore. The perforations from 1446 feet to 1462 feet were squeezed using 100 sacks of Class 'H' cement (approximately 50 sacks of cement were displaced into the perforated interval). The cement was allowed to cure and drilled out to a total depth of 1922 feet (KB)(1911 feet below ground level).

On Sunday, May 9, 1999, the 8-5/8 inch surface casing, set from 1955 feet (KB) to surface, was pressure tested for internal mechanical integrity between 1922 feet (KB) and 30 feet (KB) using a packer set at 30 feet. The 8-5/8 inch surface casing was pressure tested to 660 pounds per square inch and monitored at the surface for one hour (Attachment A). The fluid used for testing was a clean fresh water fluid. A pressure loss of 1 psi (0.15%) was observed during the first 30 minutes of the test. A pressure loss of 2 psi (0.30%) was observed during the last 30 minutes of the test. The results from the pressure test confirmed internal mechanical integrity of the 8-5/8 inch surface casing from 1922 feet (KB) to 30 feet (KB).

1. A.

The 8-5/8 inch surface casing was originally set in an 11 inch open-hole to a depth of 1955 feet (KB) and cemented to surface using 700 sacks of Class 'H' cement with 2% gel and 100 sacks of Class 'H' neat. A total of 200 sacks of cement was recorded circulated to surface. The calculated volume between an 11 inch hole and 8-5/8 inch casing is (0.2407 cubic feet per foot X 1955 feet) 471 cubic feet. The volume of cement pumped is (1.18 cubic feet per sack X 800 sacks) 944 cubic feet for an excess of 473 cubic feet or 400 sacks circulated to surface. The calculated volume of cement and apparent volume of actual cement pumped indicated excess cement was circulated to surface.

On Sunday, May 9, 1999, Halliburton Logging Services completed a cement bond and microsiesmogram (same as a variable density log) logging survey within the 8-5/8 inch casing from a wireline total depth of 1919 feet (KB) to the surface (Attachment B). The results from the survey indicate a continuous column of cement from 1922 feet to surface with good bonding characteristics. The cement behind the 8-5/8 inch casing will provide an effective hydraulic seal to prevent the movement of groundwater fluids into the underground source of drinking water with a base at 473 feet.

Please review and approve the pressure testing and cement bond log results at your earliest convenience. Navajo will proceed with the mobilization of the drilling rig Wednesday, May 12, 1999 and begin re-entry of the WDW-2 wellbore according to the approved drilling program. Navajo will periodically contact the OCD, Artesia office with a status update of the re-entry operations. The Bureau of Land Management will be notified in sufficient time for a representative to witness the cementing of the 5-1/2 inch protection casing.

Should you have any questions or concerns, please call me at (505) 748-3311.

Sincerely yours,

Duell Moore

Darrell Moore

Environmental Manager for Water and Waste

c:

Mr. David Glass
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201

Mr. Brian Rogers Subsurface Technology, Inc. 7020 Portwest, Suite 100 Houston, Texas 77024

File: Injection Wells

APPROVED

JUN 02 1999

(ORIG. SGD.) DAVID R. GLASS
AUTHORIZED OFFICER, MINERALS
BUREAU OF LAND MANAGEMENT

SUBJECT TO LIKE APPROVAL BY STATE



Patterson Drilling Company

410 N. Loraine Street — (915) 682-9401 Midland, Texas 79701

RECEIVED

JUN 0 4 1999

June 2, 1999

SUBSURFACE TECHNOLOGY, INC.

Drilling Department
Subsurface Construction Corporation
7020 Port West, Ste 100
Houston, TX 77024

RE:

Inclination Report Navajo WDW-2

Sec 12; T-18-S; R-27-E

Gentlemen:

The following is an inclination survey on the above referenced well located in Eddy County, New Mexico:

2898' - 0.25 3838' - 0.25 4783' - 0.50 6106' - 0.75 6633' - 0.50

Sincerely,

Rebecca Edwards

Rebecca A. Edwards Administrative Assistant

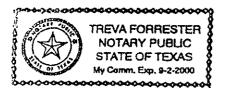
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing was acknowledged before me this 2nd day of June, 1999 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

NOTARY PUBLIC



INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or ned well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests acted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INI	DICAT			MANC)	E WI	TH GI		HICAL SECTION OF STATE
Southeastern New Mexico			Northwestern New Mexico					
T. Anh	ıy		T. Canyon 8390	Т.	Ojo Al	amo		T. Penn. "B"
T. Salt				Т.	Kirtlan	id-Fruit	land	T. Penn. "C"
B. Salt				T.	T. Pictured Cliffs			T. Penn. "D"
T. Yates			T. Miss	T.	_ T. Cliff House			T. Leadville
T. 7 Rivers			T. Devonian	T.	T. Menefee			T. Madison
T. Queen			T. Silurian	T.	T. Point Lookout			T. Elbert
T. Grayburg			T. Montoya	T.	T. Mancos			T. McCracken
T. San	Andres	2005	T. Simpson	T.	T. Gallup			T. Ignacio Otzte
T. Glorieta			T. McKee	Base		enhorn		T. Granite
T. Pado			T. Ellenburger	T. Dakota			T	
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From	To	Thickness In Feet	Lithology	From To Thickness In Feet				Lithology

Form C-105 State Lease - 6 copies Fee Lease - 5 copies Energy, Minerals and Natural Resources Revised March 25, 1999 District I 1625 N. French Dr., Hobbs, NM 87240 WELL API NO. 30-015-20894 South First, Artesia, NM 87210 OIL CONSERVATION DIVISION 5. Indicate Type of Lease a) Brazos Rd. Aztec, NM 87410 2040 South Pacheco STATE | FEER Tedera 2040 South Pacheco: Santa Fe, NM 87505 Santa Fe, NM 87505 State Oil & Gas Lease No. NM 6852 WELL COMPLETION OR RECOMPLETION REPORT AND LOG la Type of Well: 7. Lease Name or Unit Agreement Name OIL WELL GAS WELL DRY OTHER Class I Waste Disposal Well Navajo Refining Company ,ecting b. Type of Completion: WDW-2 WORK _ NEW PLUG F DIFF. WELL OVER BACK RESVR. 2. Name of Operator Well No. Navajo Refining Company WDW-2 3. Address of Operator 9. Pool name or Wildcat Post Office Box 159, Artesia, New Mexico 88211 -L Wolfcamp-Cisco-Canyon Injection Zone 4. Well Location Navajo Permo-PERM Unit Letter E : 1980 Feet From The North West Line and Teet From The Township 18 South Range 27 East Section NMPM Eddy County 10. Date Spudded 11. Date T.D. Reached 12. Date Compl. (Ready to Prod.) 13. Elevations (DF& R(B. RT, GR, etc.) 14. Elev. Casinghead July 18, 1973 3607 feet GL, 3623 feet RKB August 27, 1973 June 8, 1999 3609 feet GL 15. Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Many 18. Intervals Rotary Tools Cable Tools 10,372 feet 8770 feet Zones? Drilled By N/A 19. Producing Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made L. Wolfcamp-Cisco-Canyon Yes 21. Type Electric and Other Logs Run 22. Was Well Cored Fracture Finder and Caliper Logs, Dual Induction Laterolog, No Compensated Neutron Formation Density 23. CASING RECORD (Report all strings set in well) CASING SIZE WEIGHT LB./FT **DEPTH SET** HOLE SIZE CEMENTING RECORD AMOUNT PULLED 13-3/8" N/A 40' N/A N/A None 8-5/8" 32 1995 11" 800 sacks circulated None 5-1/2" 17 88693 7-7/8" 1570 sacks circulated None 24. LINER RECORD TUBING RECORD 25. TOP BOTTOM SIZE SACKS CEMENT SCREEN SIZE DEPTH SET PACKER SET 3-1/2" 7528 7528 Perforation record (interval, size, and number) DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 7570' to 7620', 7676' to 7736', 7826' to 7834', 7858' to 7880', 10,000 gallons of 15% HCl, plus 4600 pounds 7570' to 8399' 7886' to 7904', 7916' to 7936', 7944' to 7964', 7990' to 8042', of rock salt as diverter 8096' to 8116', 8191' to 8201', 8304' to 8319', 8395' to 8399' (2 jspf for total of 598 holes). **PRODUCTION** Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) N/A Hours Tested Date of Test Choke Size Prod'n For Oil - Bbl Gas - MCF Water - Bbl. Gas - Oil Ratio N/A N/A N/A Test Period Flow Tubing Press. Casing Pressure Calculated 24-Oil - Bbl. Gas - MCF Water - Bbl Oil Gravity - API - (Corr.) Hour Rate 29 Dispusition of Gas (Sold. used for fuel, vented, etc.) Test Witnessed By N/A 30. List Attachments Deviation Report 31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief Printed arrell Moorering Env Mar.

Name

State of New Mexico

Submit To Appropriate District Office

N.M. Oil Cons. Division FORM APPROVED OMB NO. 1004-0137 SUBMIT IN PURSICAST Street Expires: February 28, 1995 2834 DESIGNATION AND SERIAL NO. orn 3160-4 Artesia, MM 88210 **UNITED STATES** July_1992) DEPARTMENT OF THE INTERIOR NM 6852 6, IF INDIAN, ALLOTTES OR TRIBE NAME BUREAU OF LAND MANAGEMENT WELL COMPLETION OR RECOMPLETION REPORT AND LOG* T LINIT AGREEMENT NAME Class I Waste X Other GAS TYPE OF WELL Disposal Well WELL WELL. B FARM OR LEASE NAME, WELL NO. TYPE OF COMPLETIO Reentry X Other OFF. PLUG WDW-2 NEW GENVR **YBACK** WELL 9. API WELL NO. NAME OF OPERATOR Y 30-015-20894 Navejo Refining Company 10. FIELD AND POOL OR WILDCAT COORESS AND TELEPHONE NO. New Mexico 88211 office Box 159, Artesia. Post 11. SEC. T.,R.,M., OR BLOCK AND SURVEY OR AREA 1980' FNL and 660' FWL Unit Letter E Section 12, Township 18 South Range 27 East, Unit Letter E At lop prod, interval reported below Same 12 COUNTY OR 14. PERMIT NO. At total depth New Mexico April 27, 1999 - Eddy WDW-2Same 16. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD 17, DATE COMP (Ready to prod 16. DATE T.D. REACHED 15 DATE SPUDDED 3623' RKB 3609' GL 3607' GL; 8-27-73 6-8-99 7-18-73 CABLE TOOLS ROTARY TOOLS 23. INTERVALS 22 IF MULTIPLE COMPL. 21, PLUG, BACK T.D., MD & TVD TOTAL DEPTH, MO & TVD HOW MANY ORILLED BY A11 8770 10.372' TVD 25. WAS DIRECTIONAL SURVE MADE? 24 PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM NAME (MD AND TVO)* Yes L. Wolfcamp-Cisco-Canyon 27. WAS WELL CORED? 20 TYPE ELECTRIC AND OTHER LOGS RUN Fracture Finder and Caliper Logs, Formation Density No Compensated Neutron Dual Induction Laterlog. (Report all strings set in well) CASING RECORD TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED HOLE SIZE DEPTH SET WEIGHT, LB.FT. ING SIZEAGRADE None 40' N/ASurface N/A 13-3/8 None Surface. 800 sx ClH 19951 11 32 8-5/8" 1570 sx ClH 7-7/8" Surface. 8869 5-1/2" 17 and ClC TUBING RECORD LINER RECORD DEPTH SET (MD PACKER SET (MD) SIZE SCREEN (MD) SACKS CEMENT BOTTOM (MD) TOP (MD) 3-1/2" 75281 7528' ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC (Interval, size and number) PERFORATION RECORD AMOUNT AND KIND OF MATERIAL USED DEPTH INTERVAL (MD) 7570'-7620', 7676'-7736', 7826'-7834 7570' to 8399' 10,000 gallons 15% HCl. 7886'-7904', 7916'-7936 4600 pounds of rock salt as 7858'-7880'. 7990'-8042', 8096'-8116' 7944'-7964', diverter 8395'-8399' 8191'-8201', 8304'-8319', (2 jspf for total PRODUCTION WELL STATUS (Producing o (Flowing, ges lift, pumping-size and type of pump) DATE FIRST PRODUCTION PRODUCTION METHOD abut-int N/A N/A N/A WATER-ARI IGAS-OIL RATIO GAS-MCF. CIL-88L CHOKE SIZE PROON, FOR HOURS TESTED DATE OF TEST TEST PER N/A N/A aggepted for record N/A

DEVIATION REPORT

OIL-88L

TITLE

24-HOUR RATE

CALCULATED

CASING PRESSURE

N/A

34. DISPOSITION OF (Sold, used for fuel, versed, etc.)

FLOW, TUBING PRESS

35. LIST OF ATTACHMENTS

JED'

N/A

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

(ORIG. SQD.) OAR)

OIL GRAVITY-API (CORE)

CET WITNESSEN BY

Env. Mar



Patters on Drilling Company Fig. 101. Toraine Street — (915) 682-9401 Midland Texas 79701 Fig. 101. 21 A MGMT.

RECEIVED

JUN 0 4 1999

June 2, 1999

SUBSURFACE TECHNOLOGY, INC.

Drilling Department Subsurface Construction Corporation 7020 Port West, Ste 100 Houston, TX 77024

RE:

Inclination Report Navajo WDW-2

Sec 12; T-18-S; R-27-E

Gentlemen:

The following is an inclination survey on the above referenced well located in Eddy County, New Mexico:

2898' - 0.253838' - 0.254783' - 0.506106' - 0.756633' - 0.50

Sincerely,

Rebecca Edwards

Rebecca A. Edwards Administrative Assistant

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing was acknowledged before me this 2nd day of June, 1999 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

TREVA FORRESTER NOTARY PUBLIC STATE OF TEXAS My Comm. Exp. 9-2-2000

TELEPHONE (**05) 748-3311

EASYLINK 62905278



REFINING COMPANY

FAX (505) 746-6410 ACCTG (505) 746-6155 EXEC (505) 748-9077 ENGR (505) 746-4438 P/L

501 EAST MAIN STREET • P. O. BOX 159 ARTESIA, NEW MEXICO 88211-0159

July 19, 1999

Mr. James Amos United States Department of the Interior Bureau of Land Management P.O. Box 1778 Roswell, NM 88220

RE: Well Completion Report for Navajo's WDW-2i in E-12-T18S, R27E

Dear Mr. Amos,

Enclosed, please find two (2) copies of form OMB Form 1004-0137 pertaining to our WDW-2 injection well. If there are any questions concerning this submission, please call me at 505-748-3311. Thank you for your time in this matter.

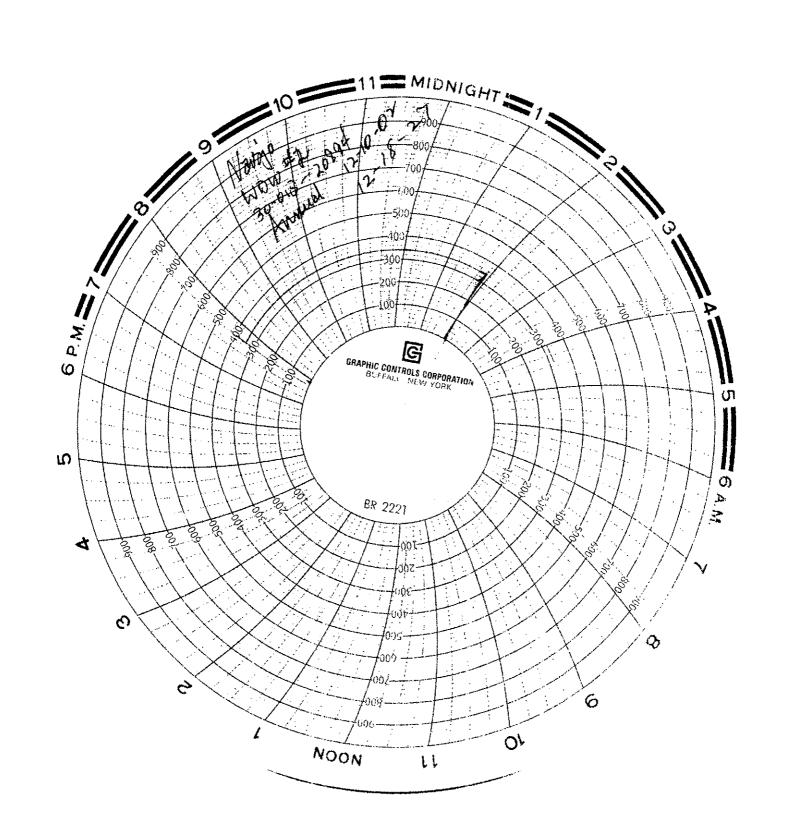
Sincerely,

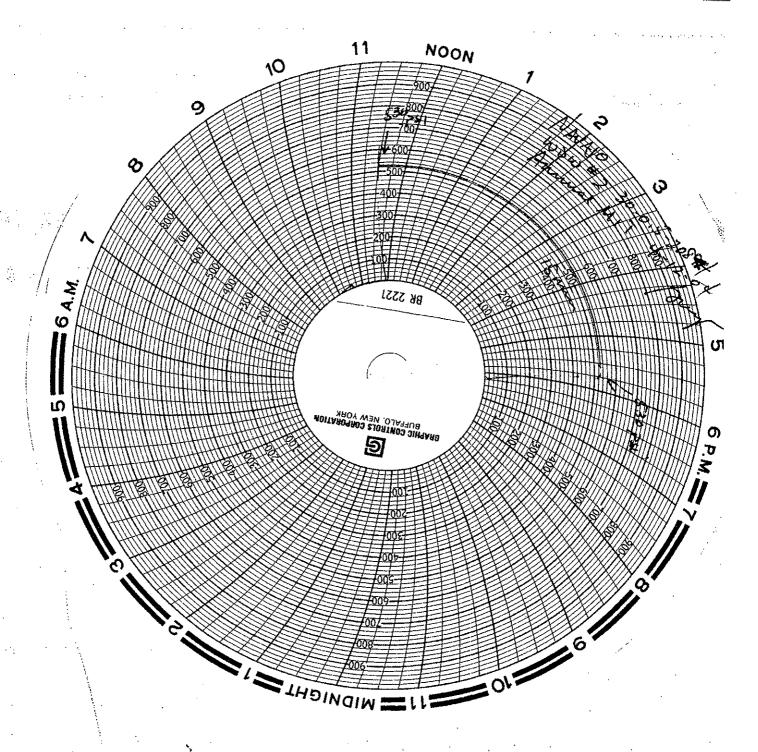
NAVAJO REFINING COMPANY

Darrell Moore

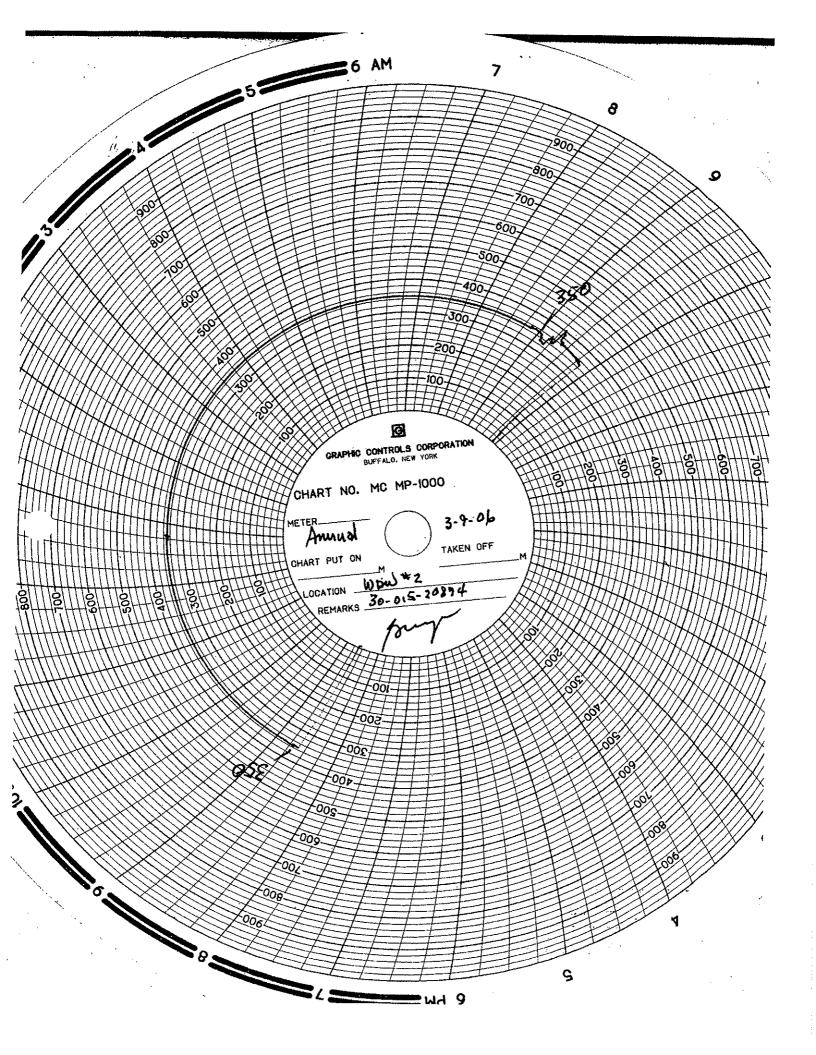
Environmental Mgr. for Water and Waste

Encl.





HECEIVED APPLESIA SOCK



Chavez, Carl J, EMNRD

From:

Chavez, Carl J, EMNRD

Sent:

Thursday, August 12, 2010 1:55 PM 'Moore, Darrell'; Dade, Randy, EMNRD

Cc:

Lackey, Johnny

Subject:

RE: Mechanical Integrity Tests

Darrell:

OCD confirms that the annual MITs performed on WDW-1 (UICI-8) and WDW-2 (UICI-8-1) passed.

Thank you.

Carl J. Chavez, CHMM

New Mexico Energy, Minerals & Natural Resources Dept.

Oil Conservation Division, Environmental Bureau

1220 South St. Francis Dr., Santa Fe, New Mexico 87505

Office: (505) 476-3490 - Fax: (505) 476-3462

E-mail: CarlJ.Chavez@state.nm.us

Website: http://www.emnrd.state.nm.us/ocd/index.htm (Pollution Prevention Guidance is under "Publications")

From: Moore, Darrell [mailto:Darrell.Moore@hollycorp.com]

Sent: Thursday, August 12, 2010 10:39 AM
To: Chavez, Carl J, EMNRD; Dade, Randy, EMNRD

Cc: Lackey, Johnny Subject: MIT's

Carl

Attached, please find the charts for the MIT's that were performed on our Injection wells WDW-1 and WDW-2 today. Both wells passed the Mechanical Integrity Tests with no drop off in pressure. As you know, the MIT on WDW-3 was performed earlier in the year and was submitted to OCD. In addition, there was no pressure on either of the well's bradenhead. If there are any questions concerning this submission, please call me or email me. Thank you.

Darrell Moore

Environmental Manager for Water and Waste Navajo Refining Company, LLC Phone Number 575-746-5281 Cell Number 575-703-5058 Fax Number 575-746-5451

CONFIDENTIAL

This e-mail message and all corresponding e-mail messages, including all attachments, are intended solely for the individual(s) named above. They contain confidential and/or proprietary information. Do not forward, copy, distribute or otherwise relay the messages or their content to any individual without first contacting the sender of this message. If you have received this e-mail message in error, do not read, forward, copy or distribute it or any of its content to anyone. In addition, please notify the sender that you have received this message immediately by return e-mail and delete it.

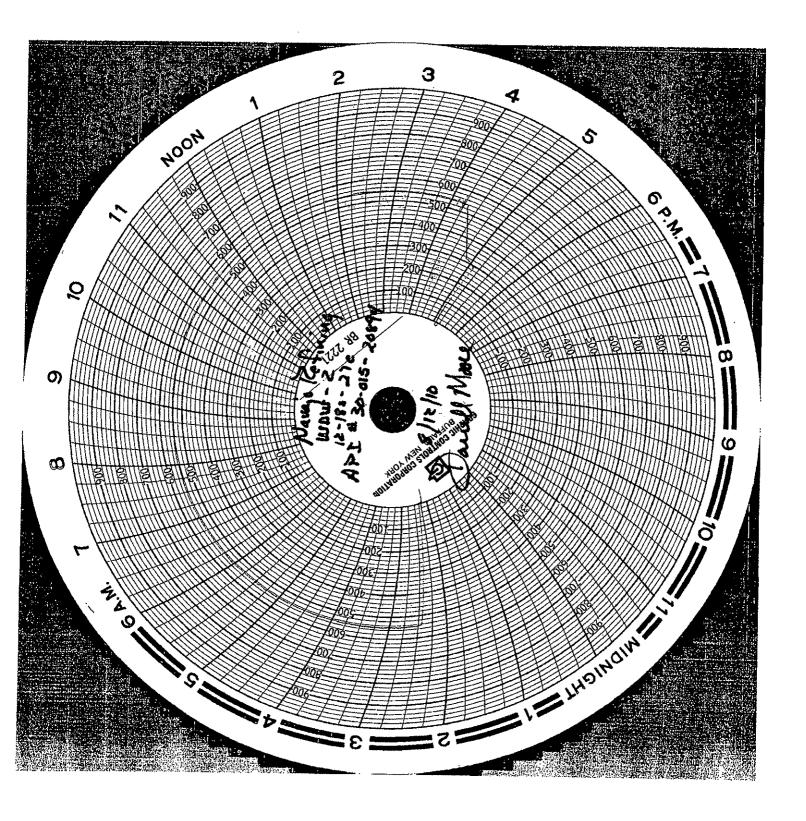


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attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.	



Office	To Appropriate District		State of N					Form C-103
District 1 - (57.	5) 393-6161	Energy, Minerals and Natural Resources			ces	WELL API NO.	Revised August 1, 2011	
District II - (57	n Dr., Hobbs, NM 88240 75) 748-1283					30-015-20894		
	, Artesia, NM 88210	OIL CONSERVATION DIVISION			5. Indicate Type of I	_ease		
	os Rd, Aztec, NM 87410	Ţ	220 South				STATE 🛛	FEE []
District IV (5	05) 476-3460 nois Dr., Santa Fe, NM		Santa Fe,	INIVI 87	505		6. State Oil & Gas L	ease No. 6852
87505	nets of , Santa Fe, 1414							
DIFFERENT R	SUNDRY NOT ETHIS FORM FOR PROPO RESERVOIR USE "APPLIE	SALS TO DRILI	OR TO DEEPE	EN OR PLE	JG BACK TO	A	7. Lease Name or Unit Agreement Name Chukka WDW-2	
PROPOSALS)) Well: Oil Well 🔲	Gas Well	Other Inje	etion W	ell		8. Well Number WD)W-2
2. Name of							9. OGRID Number	
	ining Company	······································	····					
3. Address		3.4						ldcat Navajo Permo-
	Box 159, Artesia, Nev	w Mexico 882	<u> </u>				Penn 96918	
4. Well Loc								
· I	t Letter <u>E</u> :	<u>1980</u>	_feet from the			_ line an	d <u>660</u> feet fro	om the West line
Sec	tion 12	<i></i>	Township	18S	Range	27E	NMPM	County Eddy
	termina di permanana	11. Elevation	on (Show whe 3623' RKB	ther DR,	RKB, RT, C	FR, etc.)		
新学的设计数据		<u>sj 3007 GD,</u>	3023 KKB					
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	12. CHOCK P	appropriate	DOX to IRG	icate in	ature of N	once, i	Report or Other Da	ta
	NOTICE OF IN	ITENTION	TO:			SUBS	SEQUENT REPO	RT OF:
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	ILY ABANDON TED CASING	CHANGE P						AND A
	TER CASING COMMINGLE	MULTIPLE	COMPL		CASING/C	EMENT	JOB 🗌	
DOMINIOEE				,				
PRESSURE	RFORM PRESSURE F TEST	ALLOFF TES	ST, ANNULUS	3	OTHER:			
PRESSURE 13. Description of sta	ribe proposed or comparting any proposed wo	leted operation	ns. (Clearly s	tate all p	ertinent det	ails, and ple Com	give pertinent dates, i	ncluding estimated date
PRESSURE 13. Description of star proportion	ribe proposed or comparting any proposed woosed completion or reco	leted operation ork). SEE RU ompletion.	ns. (Clearly s LE 19.15.7.14	itate all p 4 NMAC	ertinent det . For Multi	ple Com	pletions: Attach welli	ncluding estimated date bore diagram of
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I hereby certify that the information above is true and	complete to the best of my knowledge and belief.	
SIGNATURE Linky Jones	TITLE Project Engineer	DATE 10/3/2011
Type or print name Timothy Jones For State Use Only	E-mail address: Hones e Subsurfacegroup.com	
APPROVED BY: Conditions of Approval (if any):	_TITLE	DATE

Submit 1 Copy To Appropriate District Office	State of New M		Form C-103		
<u>District 1</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Na	tural Resources	Revised August 1, 20 WELL API NO.		
District II - (575) 748-1283	OIL CONSERVATION	N DIVISION	30-015-20894		
811 S. First St., Artesia, NM 88210 District III – (505) 334-6178	1220 South St. Fra		5. Indicate Type of Lease		
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 8		STATE FEE		
<u>District IV</u> - (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Santa PC, INIVI	, , , , , , , , , , , , , , , , , , , ,	6. State Oil & Gas Lease No. 6852		
87505					
(DO NOT USE THIS FORM FOR PROP DIFFERENT RESERVOIR. USE "APPI	FICES AND REPORTS ON WELL OSALS TO DRILL OR TO DEEPEN OR P ICATION FOR PERMIT" (FORM C-101) I	LUG BACK TO A	7. Lease Name or Unit Agreement Name Chukka WDW-2		
PROPOSALS.) 1. Type of Well; Oil Well	Gas Well Other Injection \	ااملا	8. Well Number WDW-2		
2. Name of Operator	Control Linguistics		9. OGRID Number		
Navajo Refining Company			·		
3. Address of Operator		4	10. Pool name or Wildcat: Navajo Permo-		
Post Office Box 159, Artesia, No	ew Mexico 88211		Penn 96918		
4. Well Location					
Unit Letter <u>E</u> :	1980 feet from the Nort				
Section 12	Township 18S	Range 27E	oount, maa		
	11. Elevation (Show whether Di 3607' GL, 3623' RKB	R, RKB, RT, GR, etc.,			
Exercise and a series of the s	24 July 2022 KKB				
12. Check	Appropriate Box to Indicate 1	Nature of Notice	Report or Other Data		
		1	-		
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OTHER: PERFORM PRESSURE PRESSURE TEST	FALLOFF TEST, ANNULUS	OTHER:			
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE Timble Jones TITLE Project Engineer DATE 10/3/2011	
Type or print name Timothy Jones E-mail address: Hones e Subsurface group.com PHONE: 713-580-464	- 0
APPROVED BY: Carl Share TITLE Environmental Engine DATE 10/19/2011 Conditions of Approval (if any): See E-mail Conditions detect to/19/2011 attached to WOW-I.	
See E-mail Conditions letted 10/19/2011 attached to WOW-I.	

Chavez, Carl J, EMNRD

rom:

Chavez, Carl J. EMNRD

ડent:

Wednesday, October 19, 2011 4:06 PM

To:

'Moore, Darrell'

Cc: Subject: Sanchez, Daniel J., EMNRD; VonGonten, Glenn, EMNRD; Dade, Randy, EMNRD

Navajo Refining Company UIC Class I (NH) Injection Wells WDWs 1, 2 & 3 (UICI-008) Fall Off Test Plan (August 2011)

Darrell:

The New Mexico Oil Conservation Division (OCD) is in receipt of your above subject test plan. OCD has already approved the Fall-Off Test (FOT) Plan with conditions on July 28, 2009. The OCD notes that it is also in the process of reviewing C-103s Sundry Notices for the upcoming FOTs.

OCD observes some changes in this FOT Plan submittal that are not acceptable to the OCD. For example, Exhibit 1 is not an acceptable exhibit to the OCD for reasons specified in the 2010 FOT report review and later during the May 2011 meeting in Santa Fe. However, the operator continues to submit exhibits with certain assumptions that have not been accepted or approved by the OCD; i.e., that the injection wells are show interconnection with the injection zone during past FOTs. Perhaps the operator can conduct the 2011 FOT with the information and exhibits needed to prove the interconnection of injection wells with the injection zone? The Certified PE should provide the exhibits in the 2011 FOT Report with the analysis and conclusions supporting any claims for the OCD to review and consider before approving. This is apparently a FOT frequency per well issue that the operator is attempting to prove.

The OCD provides the following comments, observations, and/or recommendations on the above subject plan below.

Comments:

- The OCD approved the original Fall-Off Test (FOT) Plan based on OCD Guidance dated December 3, 2007.
 There should not be any significant changes to this FOT Plan because it is flexible where needed to allow operators to implement it on each injection well.
- OCD likes to be notified to witness the installation of bottom hole gauges and to be present at least one hour before injection shut-off and commencement of FOT monitoring.
- OCD is concerned about the Section VI No. 1(e) WDW-3 Cement Bond Log quality being poor from 900 ft. to 1200 ft- especially at the depths: 2662 – 2160; 4876 – 5372; and 6750 – 7600 ft. micro annulus scenario.

Observations:

- Section V No. 2: The objective of the FOT is NOT to achieve or limit a 100 psig pressure differential before vs. after FOT injection vs. shut-off, but it is a minimum pressure differential that OCD stipulates in its guidance for a successful FOT and injection zone that may still continue to be utilized for disposal, i.e., not too pressured up and subject to continued fracturing under daily allowed maximum surface injection pressure operational limits.
- Section V No. 7 and Exhibit 1: OCD observes a bottom hole pressure chart for WDWs 1, 2 and 3 at 7660 feet that
 the operator presented in the 2010 FOT and again during a May 2011 meeting in Santa Fe, New Mexico to show
 the interconnection between injection wells and the injection formation. The OCD had commented that there was
 no explanation or conclusion provided from the Certified PE who conducted and completed the 2010 FOT report
 that supports the operator's claim that all injection wells are interconnected based on Exhibit 1.

Furthermore, the OCD requested a statement or information supporting the operator's claim by the Certified PE, but never received one. At the meeting, the OCD explained that based on Exhibit 1, there was no support for the claim. In order to make the interconnection determination, during each FOT at each well and off-set injection wells (WDWs not being FOT'd) before and throughout the FOT would need bottom hole pressures monitored in tandem at each well location to establish the interconnectivity of the injection wells with the receiving injection formation under a uniform time scale. This would be a chart that could be plotted that would show during the test the interconnectivity of the wells for each FOT. The OCD doubts that the operator can make the case for interconnectivity between injection wells and injection formation because of the significant distance between the injection wells and fact that sedimentation in formation varies laterally and uniformity in sedimentation, saturated porosity and permeability due to variation in sedimentation would by chance make the injection formation aerially extensive and uniform over a 3 to 5 mile radius from each injection well. Also, even if by chance there was

- uniformity over the mileage specified, the distance between injection wells and corresponding pressure would likely not be observed.
- Exhibit 6: OCD observes in Section B a proposed MIT once every 5 years. OCD's UIC Program requires annual MITs and/or after down hole work is performed on a well.

Recommendations:

- Operator is running survey logs to the bottom of fill or below USDW (fresh water) zones, which excludes an
 evaluation of casing in the fresh water zone. Please run logs up to surface.
- Be sure to also record and provide injection flow rate and pressure leading up to shut-off and monitoring throughout the FOT monitoring period. OCD needs to confirm that a pseudo steady-state condition was achieved before shut-off. This data is also needed for software modeling of the FOT.
- Please provide electronic data from the FOTs at each well in order for the OCD to run its software model to confirm the results in the report.
- Section V No. 13: Surface pressure monitoring and Horner Plot during injection should be used to confirm radial flow condition is achieved instead of waiting a set period if operator wishes to reduce the injection period.

Disclaimer: Please be advised that OCD has already approved with conditions Navajo Refining Company's Fall-Off Test (FOT) Plan on July 28, 2009, and is not providing approval of this FOT Plan; however, comments, observations and recommendations herein should help Navajo Refining Company understand the OCD's concerns based on the submittal.

Please contact me if you have questions. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505

Office: (505) 476-3490 Fax: (505) 476-3462

E-mail: CarlJ.Chavez@state.nm.us

Yebsite: http://www.emnrd.state.nm.us/ocd/

Why not Prevent Pollution; Minimize Waste; Reduce the Cost of Operations; & Move Forward with the Rest of the

Nation?" To see how, go to "Pollution Prevention & Waste Minimization" at: http://www.emnrd.state.nm.us/ocd/environmental.htm#environmental)



NAVAJO REFINING COMPANY, L.L.C. Map ID No. 95 Artificial Penetration Review

operator Apache Corp. LEASE Federal T	STATUS ACTIVE LOCATION Sec. 12 -T 18-R27E
WELL NUMBER ON DRILLED 9 13/90 PLUGGED NA	MUD FILLED BOREHOLE NA TOP INJECTION ZONE -3731' API NO. 30-015-26404

REMARKS:

MAP ID NO. 95

APACHE CORPORATION FEDERAL T NO. 001

API NO. 30-015-26404

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Queen	1219
Grayburg	2171
San Andres	2063
Glorieta	3480
Abo	
Wolfcamp	
Penn	8169
Strawn	1110
Hoka	9520

Morrow

30-015-26<104 -

Ogrid 14744
prop-7889

18890-7. Mellinoi. Cary-Merrae

1920410-0 1920430-6 1920450-W

Jest 2-14-91 Dual And.

2583-9170 Oval Lat

Cem Bond Log 9480-10126
6000-8090 Oual Spaced Neutron
Pual Apaced Acutor
8800-10141

NSL-1785 5-3-90

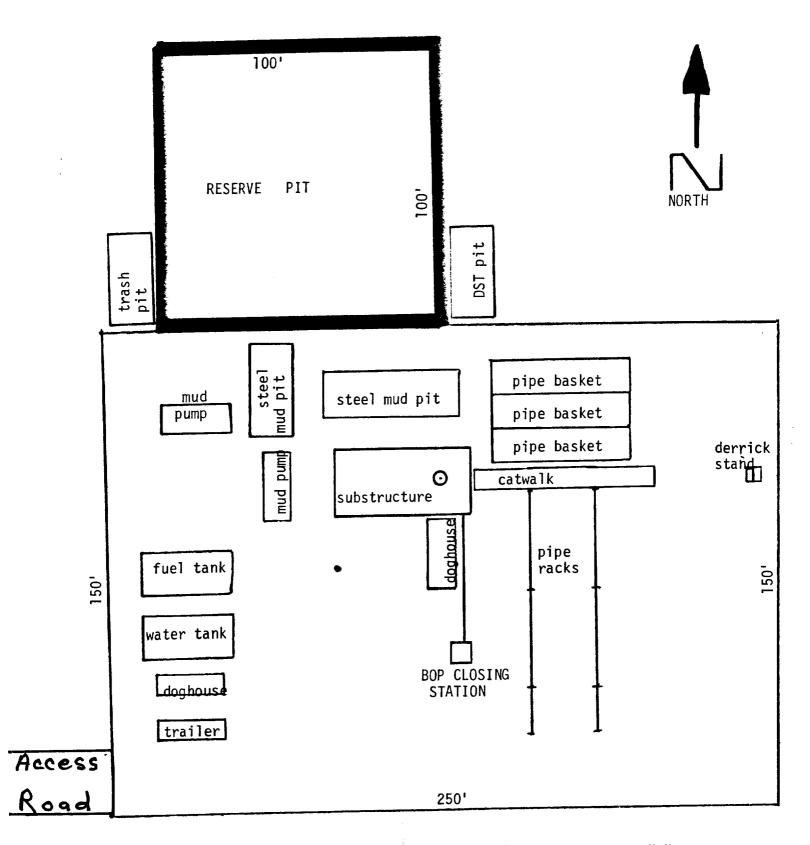
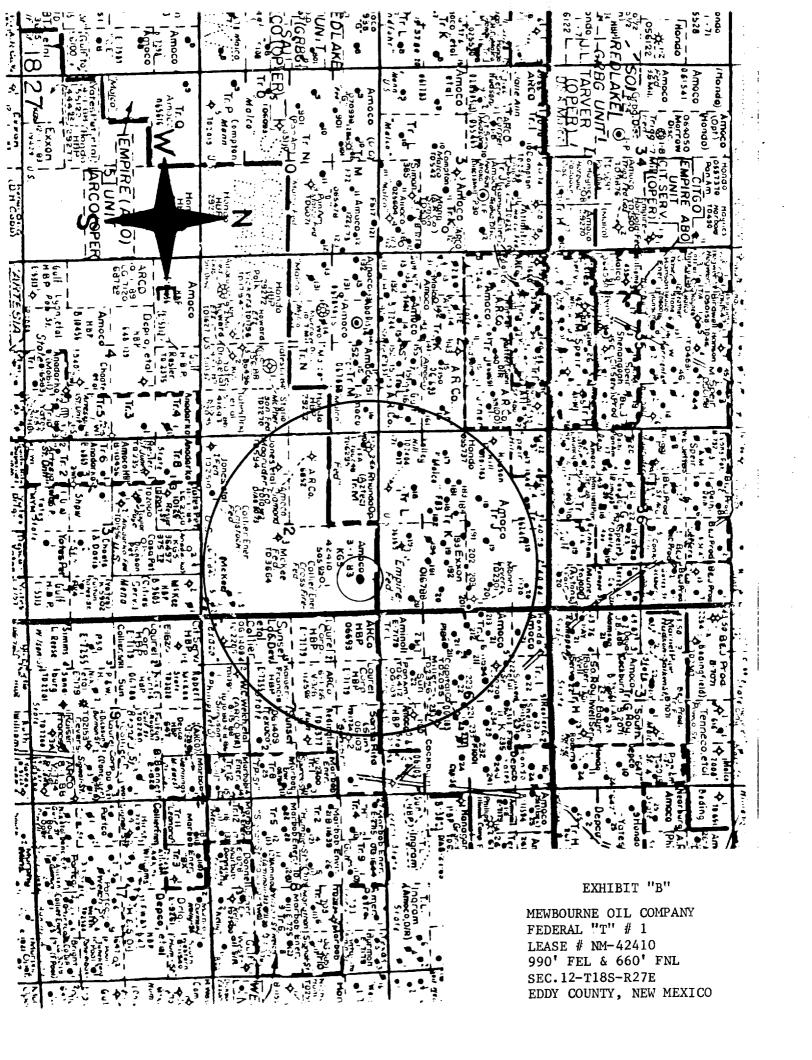
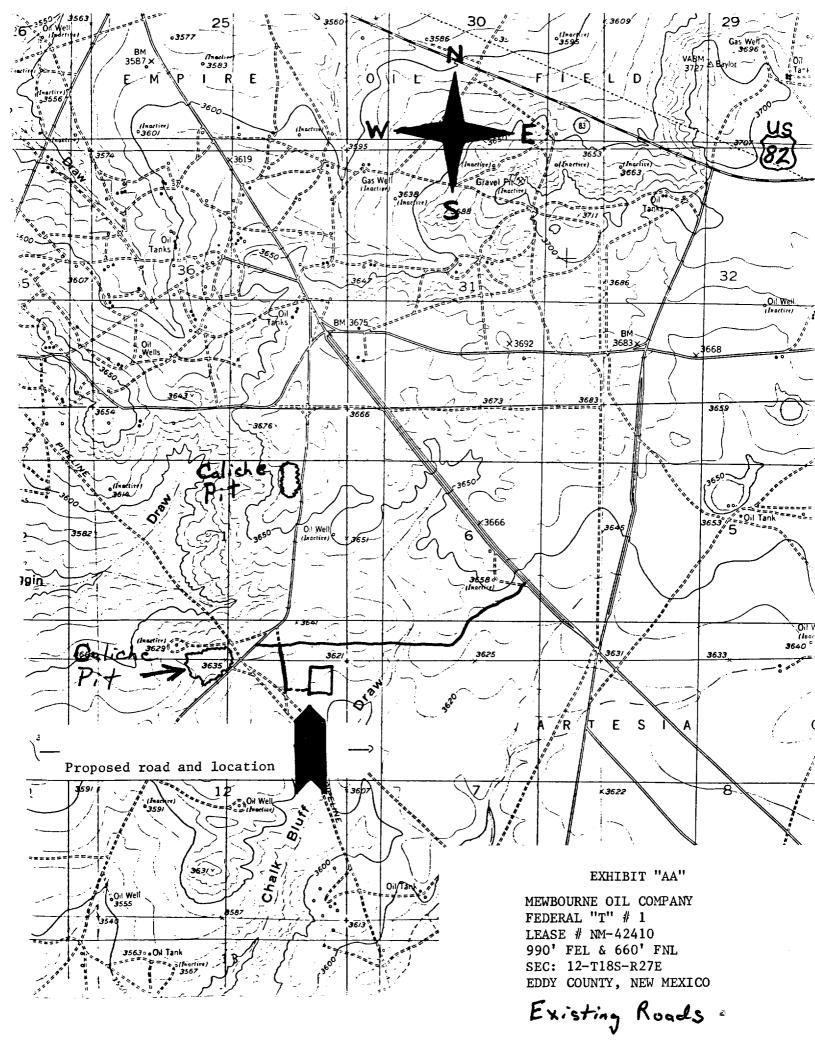
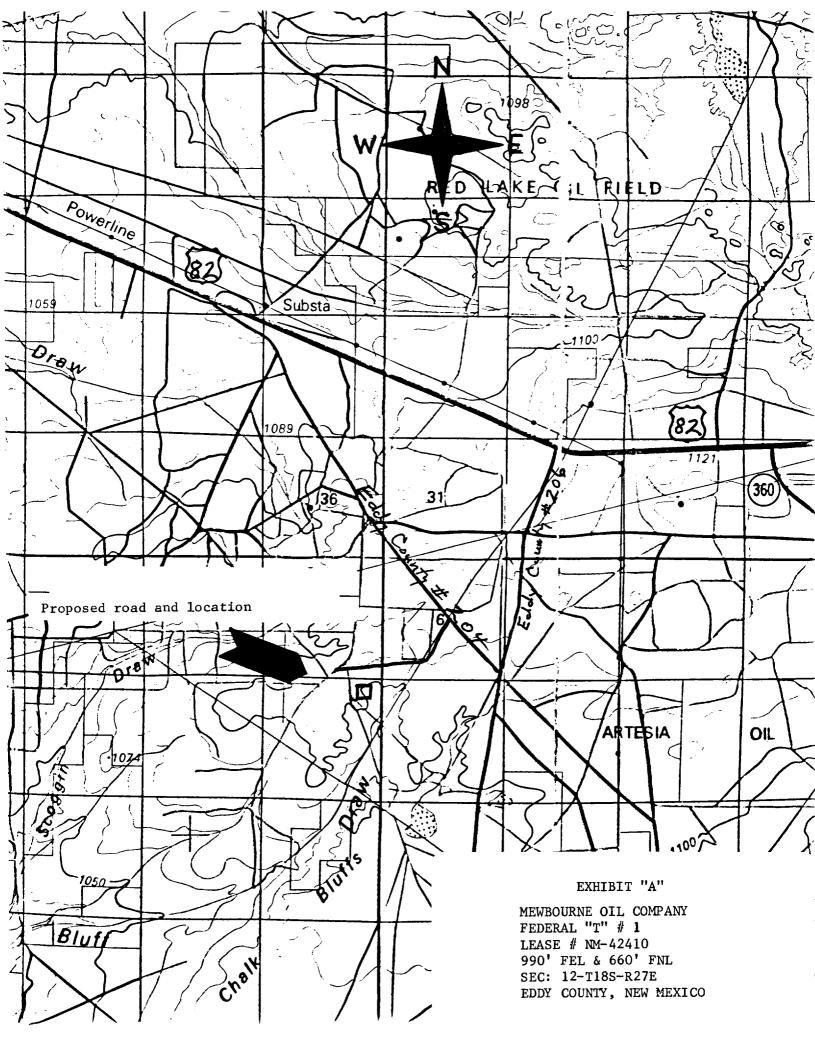


EXHIBIT "C"

MEWBOURNE OIL COMPANY FEDERAL "T" # 1 LEASE # NM-42410 990' FEL & 660' FNL SEC. 12-T18S-R27E EDDY COUNTY, NEW MEXICO







STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

DIL CONSERVATION DIVISION

GARREY CARRUTHERS

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

May 3, 1990

Mewbourne Oil Company c/c Hinkle, Cox, Eaton, Coffield & Hensley 500 Marquette, NW Suite 800 Albuquerque, NM 87102-2121

Attention: James Bruce

Administrative Order NSL-2785

Dear Mr. Bruce:

Reference is made to your application on behalf of Mewbourne Oil Company dated April 12, 1990 for a non-standard gas well location for your Federal "T" Well No. 1 to be located 660 feet from the North line and 990 feet from the East line (Unit A) of Section 12, Township 18 South, Range 27 East, NMPM, Undesignated North Illinois Camp Morrow Gas Pool, Eddy County, New Mexico. The N/2 of said Section 12 shall be dedicated to the well forming a standard 320-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of General Rule 104 (II) the above-described unorthodox gas well location is hereby approved.

Sincerely,

William J. LeMan

Director

WJL/MES/ag

cc: Oil Conservation Division - Artesia

US Bureau of Land Management - Carlsbad

12. CERTIA ATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Mewbourne Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

May 18, 1990

Date

For W.H. Cravey

W.H. Cravey

Production Superintendent

Mewbourne Oil Company

10. OTHER 1. ORMATION:

- A. The geologic surface formation is hard clay interspersed with sand and chert outcroppings. Vegetative cover is generally sparse and consist mostly of greasewood and bear grass.
- B. The estimated tops of geologic markers are as follows:

Queen	1260'	Cisco	7740 '
San Anres	2100'	Canyon	8350 '
Glorieta	3720 '	Strawn	8900 '
Tubb	4930'	Atoka	9500 '
Abo	5900 '	Morrow	9600'
Wolfcamp	6900 '	Mississippian	10,100'

C. The estimated depths at which anticipated water, oil, or gas are expected to be encountered:

Water: Possible surface water between 100-300'.

Oil: Penrose @ 1520'.
Gas: Wolfcamp @ 6900'.

- D. Proposed Casing Program: See Form 9-331C.
- E. Pressure Control Equipment: See Form 9-331C and Exhibit "D".
- F. Mud Program: See Form 9-331C.
- G. Auxiliary Equipment: Mud-gas seperator and PVT aystem from 6,000' T.D.
- H. Testing and Coring Program: Possibility of 6 DST's in the following zones; Wolfcamp, Cisco, Canyon, Strawn, Atoka, and Morrow. No cores are planned at this time.

Logging: Gamma Ray - Spectral
Density - Dual Spaced Neutron Log; T.D. to surface.
Gamma Ray - Dual Latero Log
Microguard Log; T.D. to Intermediate casing.

- I. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the weight.
- J. Anticipated Starting Date: As soon as possible after BLM approval.

11. OPERATOR'S REPRESENTATIVE

The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

W.H. Cravey Erick W. Nelson Bill Pierce

701 South Cecil Street Hobbs, New Mexico Phone: (505) 393-5905

5. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing the road and location hopefully will come from the construction site. In the event that unsuitable material is encountered, caliche will be taken from a BLM pit located in the NE4/NW4 of section 12-T18S-R27E, which would be BLM pit # 18271203. This pit also extends into the SE4/SW4 of section 1-T18S-R27E which would be BLM pit # 18270114. An alternate pit which may be used in the event BLM pit # 18271203 contains unsuitable material would be a BLM pit located in the SW4/NE4 of section 1-T18S-R27E, which would be BLM pit # 18270107.

6. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human water will be complied with.
- E. All trash, junk and other waste material will be contained to prevent scattering and will be removed and deposited in an approved sanitary landfill.
- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

7. ANCILLIARY FACILITIES:

A. None required.

8. WELLSITE LAYOUT:

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit, and location of major rig components.
- B. The pad and pit area has been staked and flagged.

9. PLANS AND RESTORATION OF THE SURFACE:

A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.

MULTI-POINT SURFACE USE AND OPERATING PLAN

MEWBOURNE OIL COMPANY

FEDERAL "T" WELL NO. 1

990' FEL & 660' FNL OF SEC. 12-T18S-R27E

EDDY COUNTY, NEW MEXICO

NEW MEXICO LEASE NO. NM-42410

This plan is submitted with the Application for Permit to Drill (APD) the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan and the magnitude of necessary surface disturbance involved, so that a complete appraisal can be made of the environmental effects associated with the operation. The surface to be disturbed is privately owned and a surface use agreement has been signed with the land owner.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a BLM map, 30 x 60 minute quadrangle; Artesia, New Mexico, showing the location of the proposed well as staked. From the junction of U.S. 82 and U.S. 285 Highways in Artesia, proceed east on U.S. 82 for 12 miles. Turn right (south) on Eddy County Road #206 (Illinois Camp Road) and proceed south for 1 3/4 miles. Turn right (west) on Eddy County Road #204 and proceed west for 3/10 of a mile. Turn left (south) on an existing caliche lease road and follow southwest for 7/8 of a mile. Turn left (south) and proceed 1/4 mile, turn left (east) into location.
- B. Culverts: None required.
- C. Cuts and Fills: A three foot cut will be required for construction of the location.
- D. Turn-Outs: None required.
- E. Gates and Cattleguards: None required.

2. LOCATION OF EXISTING WELLS:

A. Existing wells in a 1 mile radius are shown of Exhibit "B".

3. LOCATION OF PROPOSED FACILITIES:

A. If the well is productive, all production facilities will be constructed on the existing pad and no additional surface disturbance will occur.

4. LOCATION AND TYPE OF WATER SUPPLY:

A. Water will be purchased and trucked to the wellsite over the existing and proposed roads shown on Exhibits "A" and "AA".

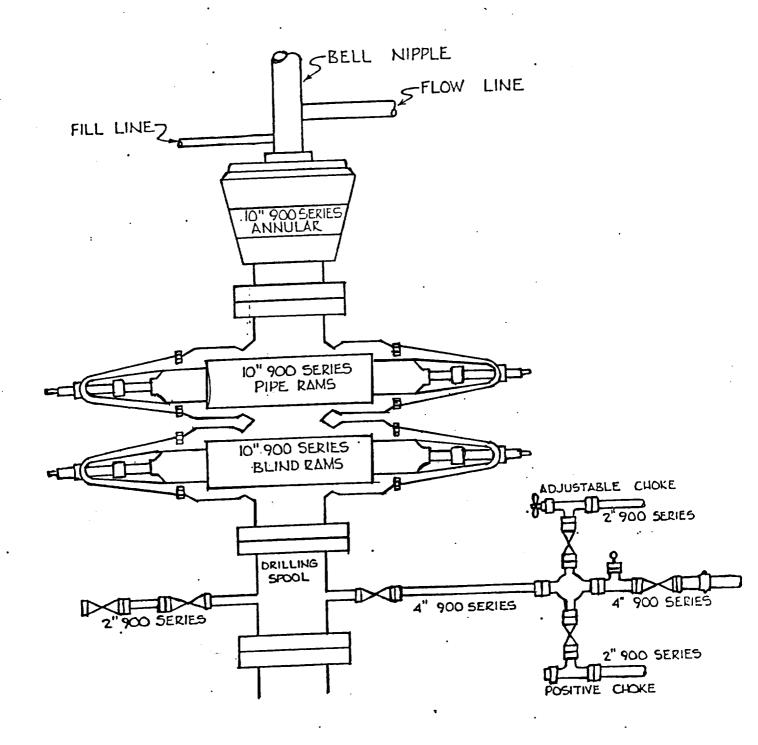


EXHIBIT "D"

MEWBOURNE OIL COMPANY
FEDERAL "T" # 1
LEASE # NM-42410
990' FEL & 660' FNL
SEC.12-T18S-R27E
EDDY COUNTY, NEW MEXICO

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico nergy, Minerals and Natural Resources Depar

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION RECEIVED P.O. Box 2088

Santa Fe. New Mexico 87504-2088

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

o. c. D. ARTESIA OFFICE DISTRICT II P.O. Drawer DD, Artesia, NM 84210 WELL LOCATION AND ACREAGE DEDICATION PLAT DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410 All Distances must be from the outer boundaries of the section Wall No. Operator FEDERAL "T" MEWBOURNE OIL COMPANY County Township Unit Letter Eddy **NMPM** 27 East 18 South Actual Pootage Location of Well: feet from the East 660 feet from the North
Elev. Producing Forms Dedicated Acrees: Ground level Elev. 320 Acres North Illinois Camp Morrow 3618.9 1. Outline the acreage dedicated to the subject well by colored peacil or hachuse marks on the plat below. Morrow 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? If surver is "yes" type of consolidation ☐ No If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of Yes No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. **OPERATOR CERTIFICATION** I hereby certify that the information vained herein in true and complete to the best of my knowledge and belief. - 990' Printed Name W.H. Cravey Position District Supt. Company Mewbourne Oil Company Date April 12, 1990 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 4/7/90 Signature & Seal of

1000

2000

1900 2310

1650

1320

2640

1500

500

Form 3160-3 (November 1983) (formerly 9-331C) AR Selection, Commission OM SUBMIT IN TRIPLICATE*

UNITED STATES 13 88210 (Other Instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT NM 42410

APPLICATIO	N FOR PERMIT 1	O DRILL, D	EEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTES	OR TRIBE NAME
ia. Type of work DR	ILL XXX	DEEPEN [PLUG BAC	K 🗆	7. UNIT AGREEMENT NA	/MB
b. TYPE OF WELL			gi:	NGLB () MULTIPE	. []	8. FARM OR LEASE NAM	
	VELL XX OTHER						
NAME OF OPERATOR				RECEIVED		FEDERAL "T"	
MEWBOURNE O	IL COMPANY			KC		S. WELL NO.	
ADDRESS OF OPERATOR				15'C	$O_{\mathcal{E}}$	10. FIELD AND POOL, O	R WILDCAT
Box 5270; H	obbs, New Mexico	88241	h anz S	tata requirements	_	4	
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_		& 990' FEL		ARTESIA.	OFFICE	AND SURVEY OR AR	e e e e e e e e e e e e e e e e e e e
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4. DISTANCE IN MILES	AND DIRECTION FROM NEAR	BEST TOWN OR POST	r offici	•		12. COUNTY OR PARISH	
	utheast of Artes					EDDY	N. MEX.
DISTANCE FROM PROP	USED*	sta, New He	16. NO	. OF ACRES IN LEASE	17. No.	OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE	LINE, FT.	560 '		320	101	320	
S. DISTANCE FROM PRO	POSED LOCATION®		19. PR	OPOSED DEPTH	20. ROTA	ARY OR CABLE TOOLS	
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11"	8 5/8"	24# & 32#		10,300' +		sks. Class H	su
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s is not dedic							
N ABOVE SPACE DESCRIB one. If proposal is to reventer program, if and 4. For W.H. Cra		proposal is to deepally, give pertinen	pen or i	olug back, give data on pi on subsurface locations an	resent pro nd measur	ductive zone and proposi ed and true vertical dept	hs. Give blowout
SIGNED	Belle	erce III	TLE	District Superi	ntende	nt DATE5/	18/90
(This space for Fed	eral or State office use)						
PERMIT NO.	A11			APPROVAL DATE			4 11 1
	Orig. Signed by Rich					DATE 6	12 70
APPROVED BY	VAL. IN ANYA	TI	TLE			DATE	
CONDITION PROVAL	COBJECT 10						
GENERAL	REQUIREMENTS AND	7154.	ー クフ	85 Hppv.	5-3-	.90	
ODEOLAL (PROTES ATIONS			• //	-		

ATTACHED

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

*See Instructions On Reverse Side

SPECIAL STIPULATIONS

INSTRUCTIONS

CENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a regulations. Any necessary special instructions concerning the use of this form and the regulations. Any necessary special instructions concerning the use of this form and the mumber of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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

ITEM 14: Weeded only when location of well cannot readily be found by road from the location of plats, separate or on this reverse side, showing the made to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

AOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

PRINCIPAL PURPOSE: The information is to be used to process and

tion on an oil and gas lease.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipproposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory

investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling opera-

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications. Response to this request is mandatory only if the lessee elects to initiate drilling opera-

tions on an oil and gas lease,

					CICIE
Ferm 31605 (November 1983) (Formerly 9331)	UTED STA DEPARTMENT OF TI BUREAU OF LAND M	HE INTERIOR	SUBMIT IN The CLICATE OF VERBER	Expires Augument 5. LEASE DESIGNATI	ou No. 1004-61 to 1st 31, 1985
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OIL GAS	(₹)	T- for auch propos	CAA	TO UNIT AGREEMENT	NAME
	Oil Company		(CCEIVED)	8. FARM OR LEASE N	T ¹¹
P. O. Box	7698, Tyler, Texas	75711		9. WELL NO.	
To the first terms of the first	(Report location clearly and in accorded w.)	lance with any State	, redatre Maria 128, 130		s Camp Morrow
66	0' FNL & 990' FEL		C. D.	12. SEC., T., B., M., OF BURVEY OR AUD 12-18S-27	
14. PERMIT NO. API #30-01	1	Show whether DF, RT, O		12. COUNTY OR PARIS	
16.	Check Appropriate Box T	o Indicate Natur	e of Notice, Report, or	Other Data	
	NOTICE OF INTENTION TO:		SUBSI	EQUENT REPORT OF:	
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	Ran 15 joints 13-3/with 100 sxs of Cla Celloseal + 5#/Sx (containing 6% gel + followed by 150 sxs at 6:12 AM 6/29/90. in collar of first	'8" 68# New iss "C" Thi Gilsonite for 1/2# Cell of Class Circulat	xad containing followed by 200 coseal + 5#/sx. "C" Neet + 3% ted 50 sxs of c	g 3% CaCl ₂ + D sxs of Clas Gilsonite + CaCl ₂ . Plug cement. Inser	1/2#/sx s "C" 3% CaCl down t float
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*See Instructions on Reverse Side

DATE .

(This space for Federal or State office pae)

31605 mber 1983)
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UNS. ED STATES SUBMIT IN TRIL (CATE) Budget Bureau No. 1004-000 Expires August 31, 1985 Cother Instructions on response block of the property of the prope

NM-4241U			
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BUREAU OF LAND MANAGEMENT	NM-42410			
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a difference of the difference of the companies of the deepen of the proposals.)	G IF INDIAN, ALLOTTEE OR THIBE NAM			
OIL GAS X OTHER	7. UNIT AGREEMENT NAME			
Mewbourne Oil Company	9. FARM OR LEASE NAME FEDERAL "T"			
P. O. Box 7698, Tyler, Texas 75711 ARTESIA, OFFICE LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* At surface 660 FNL § 990 FEL	D. WELL NO. 1 10. FIELD AND POOL, OR WILDCAT N. Illinois Camp Morrow 11. SEC., T., E., M., OR BLK. AND BURYEY OR ALMA 12-18S-27E			
14. FERMIT NO. API #30-015-26404 15. ELEVATIONS (Show whether DF, RT, GR, etc.) API #30-015-26404 3618.9 FR	12. COUNTY OR PARISH 13. STATE Eddy N.M.			
Check Appropriate Box To Indicate Nature of Notice, Report, or O	ther Data			
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS WATER SHUT-OFF PRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) (Other)	7#, LT&C Used ss "H" + .7 CF-14 + ithout bumping plug. at 9055'. Pumped water. Spaced and			
Market Back Ship	RECEIVE			
18. I hereby certify that the forgetting as true and serrect				
(This space to Federal or State office use)	DATE 9/06/90			
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE			

Ferm 31605 (November 1983)	UI ED STAT	res	SUBMIT IN TRI	CATE•	Form approved Budget Bureau Expires Augus	No. 1004-0135 \
(Formerly 9-331)	DEPARTMENT OF THE	INTERIOR	(Other instruction, verse side)	on re- 5	LEASE DESIGNATION	AND BERIAL NO
	BUREAU OF LAND MAN	NAGEMENT	RECE	VED	NM-42410	
	NDRY NOTICES AND RE s form for proposals to drill or to dee Use "APPLICATION FOR PERMIT-	pen or plug back t	WELLS		IF INDIAN, ALLOTTE	
OIL GAS WELL	X OTHER		CARL	D G	OUNIT AGREEMENT NA	AME
2. NAME OF OPERATOR Mewbourne 3. ADDRESS OF OPERATO	Oil Company		AREA NEW	90 - R	FEDERAL "	Tii
	7698, Tyler, Texas	75711		.	1	
4. LOCATION OF WELL (I See also space 17 bel At surface	Report location clearly and in accordan		requirement C. C. C.	FICE N	J. FIELD AND POOL, O. Illinois Ca	amp Morrow
14. PERMIT NO. API #30-01	5 - 26404 15. ELEVATIONS (She	3618.9° G		1:	12-18S-27E 2. COUNTY OR PARISH Eddy	N.M.
16.	Check Appropriate Box To	Indicate Natur	e of Notice. Repor	t. or Othe	er Data	
	NOTICE OF INTENTION TO:	1			EBPORT OF:	
TEST WATER SHUT-OF PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) 17. DESCRIBE PROPOSED of proposed work. In nent to this work.)	MULTIPLE COMPLETE ABANDON* CHANGE PLANS R COMPLETED OPERATIONS (Clearly state f well is directionally drilled, give su		Completion or	results of	ALTERING C. ABANDONMEN multiple completion n Report and Log for luding estimated dat epths for all markers	ASING On Well cm.)
	rforated Morrow 10, tal 48 holes 24'.	008-014',	12 holes;	10,038	3-054', 36	holes.
co wi ca 45	lliburton broke downtaining 1000 SCF/B th 23 bbls 2% KCL w sing to 1000#. Had 80#,In 10 mins, 430 7 BPM. Avg 5850#. A	bl N ₂ car rater cont good ball 0#, In 15	rying 96 ba aining 1000 action. IS mins, 4130	11 sea SCF/E DP 505 #. Max	alers and f Bbl N ₂ . Pr 50#.In 5 mi 6000#. Ma	lushed essured ns., x Rate
+ to	11iburton frac'd Mo 87 tons of CO ₂ carr 2000#. ISDP 5340# ns 4850#. Avg 9500#	ying 11,5 . In 5 m	00# 20/40 I	nterpr in 10	op. Press mins 4950#	ured annul , in 15

us 211 bbls load to recover.

18. I hereb certify that the foregular latitue and overect		
	TITLE Engr. Oprns. Sec	retary DATE 10/02/90
(The space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE



DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

505/623-5070 ROSWELL, NM

P. D. BOX 1498 ROSWELL, NEW MEXICO 88202-1498 505/746-2719

AECEIVEUA, NM

JAN 3 1 1991

a. C. D. August 29, 1990

Mewbourne Oil Co., Inc. P.O. Box 5270 Hobbs, NM 88241

Ref: Federal "T" #1

Gentlement:

The following is a Deviation Survey on the above referenced well located in Eddy County, New Mexico.

472' 840' 1380' 1759'	- 1 - ½	0	4062' 4560' 5048' 5546'	_	2° 0°		- -	
2253			5950 '			7272		•
2589 '			6479'	_	3 3/4°	8137	-	2 °
30681	- 1/2	0	65641	-	4½°	8815 '	_	2 °
3567'	- 1/4	0	6626	_	4 ½°	9470'	-	1 3/4°
	,					10141'	_	TD

Arnold Newkirk Vice-President

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me on this 29th day of August 1990 by Arnold Newkirk.

My Commission Expires:

10-07-1992

	TOP	TRUE VERT. DEPTH											4.7	ť	٠.					
GEOLOGIC MARKERS	H	MEAS, DEPTH	476	1218	1572	2072	4824	6016'	6716	7682	8912	9513'	96281	98281	99651	10104'				
38. GEO		NAME	Yates	Queen	Grayburg	San Andres	Tubb	Abo	Wolfcamp	Cisco	Strawn	Atoka	Morrow	Morrow Clastics	Lower Morrow	Barnett			-	
zones of porosity and contents thereof; cored intervals; and all shion used, time tool open, flowing and shut-in pressures, and	DESCRIPTION, CONTENTS, ETC.	Sandstone	Sandstone	Sandstone	0 + 0 + 0	Callus Collo			Sushion. Tool open 30 1	FSIP 43	vered 30' drilling flui	ushion. Tool	72-37#, ISIP 1953#,	120 mins. Recovered 2' free oil, 122' drilling fluid.)					·
how all important terval tested, cu	BOTTOM	1556	9575	99281	100541	† 0 0			58501			64991								
ROUS ZONES: (Sincluding depth in	TOP	1522	9566	9902	100081	9			5749			6475					-			
 SUMMARY OF POROUS ZONES: (Show all important zones of porosity drill-stem, tests, including depth interval tested, cushion used, time recoveries): 	FORMATION	Penrose	Atoka	Middle Morrow	Lower	Morrow		DST·#1	Drinkard			DST #2	Abo							

Submit 5 Copies Appropriate District Office DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

MCRIASA

DISTRICT II P.O. Drawer DD, Artesia, NM 88210	•	P.O. Box 2088 Santa Fe, New Mexico 87504-2088						MCFIAED			
DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410		EST FO	RAL	LOWAE	BLE AND	AUTHOR	IZATION	JAN 31'			
I.	<u> </u>	OTRAI	NSPO	RT OIL	AND NA	TURAL G	IAS	PARTERA, C			
Operator Mewbourne Oil (Compan	у 🗸						015-264			
P. O. Box 7698	, Tyle	r, Te	xas	75711		- /D/	J.: \				
Reason(s) for Filing (Check proper box) New Well		Change in [Fransnori	er of:		er (Please exp	rain)				
Recompletion	Oil		Dry Gas	L							
Change in Operator	Casinghead	Gas 🗌	Condens	ate 🗌							
If change of operator give name and address of previous operator											
II. DESCRIPTION OF WELL A											
Lease Name FFDFRAI ''T''					ing Formation nois Cam	a Marra	1 _	of Lease Federal o <u>i(Fee</u> c		241 0	
FEDERAL ''T''	<u></u>	<u> </u>	NOTCI	1 1111	nois cam) MOLLON	v T RR X		14 111		
Unit LetterA	: 66	01	Feet From	m The	North Line	and 9	90Fe	et From The	East	Line	
Section 12 Township	185	1	Range	27E	, N	ирм,		Edd	У	County	
III. DESIGNATION OF TRANS	SPORTE	R OF OII	L AND	NATU	RAL GAS						
Name of Authorized Transporter of Oil Amoco Pipeline Inter- corporate Trucking		or Condens	214	X)	Address (Giv			copy of this for 2068, Tu1s		ini) 1170-2068	
Name of Authorized Transporter of Casing	head Gas		or Dry C	328 X			• • •	copy of this for			
Transwestern Pipeline	·							<u>Texas</u>	77251 - 1	188	
If well produces oil or liquids, give location of tanks.	Unit A	Sec. 1	Twp. 18S	Rge. 27E	Is gas actually	y connected?	When		ry, 199	21	
If this production is commingled with that f IV. COMPLETION DATA						ber: No)	rebraa	<u> </u>		
Designate Type of Completion -	- (X)	Oil Well	G	as Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v	
Date Spudded	Date Compl	l. Ready to	I Prod.	<u> </u>	Total Depth	L	_l	P.B.T.D.		_1	
6/28/90	9/	13/90				10,3	141'		10,100)	
Elevations (DF, RKB, RT, GR, etc.) DF 3632, GL 3618	Name of Pro	_	mation		Top Oil/Gas	•	008'	Tubing Depth	9,842	1	
Perforations					1			Depth Casing			
10,008-054'	TT	URING. O	CASIN	G AND	CEMENTI	NG RECO	RD	ļ			
HOLE SIZE		ING & TUE			CENERAL	DEPTH SE		S/	ACKS CEM	ENT	
17-1/2"		13-3	/8"		472 *			450			
12-1/4"		8 - 5			25891			900			
7-7/8"		5 <u>-1</u>	/		9473'			430			
V. TEST DATA AND REQUES			ner BLE		L	1014	0 *	1	80		
OIL WELL (Test must be after re	, 		f load oi	l and must	,				r full 24 hou	rs.)	
Date First New Oil Run To Tank	Date of Test				Producing Me	unod (Flow, p	oump, gas lift, e	ic.)	Post	TN-ウ	
Length of Test	Tubing Pres	sure			Casing Pressu	re		Choke Size	3-19	5-9/1	
Actual Prod. During Test	Oil - Bbls.				Water - Bbls.		<u>.</u>	Gas- MCF	timp	Y KI K	
GAS WELL	l				L			L			
Actual Prod. Test - MCF/D	Length of T	cst	······································		Bbls. Conden	sate/MMCF		Gravity of Co	ndensate		
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Testing Method (pitot, back pr.) Back Pressure	Tubing Pres	sure (Shut-i 300#	n)		Casing Pressu	re (Shut-in)		Choke Size	/64''	······································	
VI. OPERATOR CERTIFICAL I hereby certify that the rules and regula				CE	C	OIL CO	NSERV	ATION D	IVISIC)N	
Division have been complied with and the isture and complete to the best of my is					H			WAR 410	4004		
Taylout Trampron				,	Date	Approve	he	MAR 1'2	1991		
Raybout In			above	,		Approve	ed	MAR 12	1991		
Signature Gay on Thompson, Printed Hyame	nowledge and	d belief. Oprns		•	Date	77/2	The la	MAR 1 2	-		

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

OIL CONSERVATION DIVILION

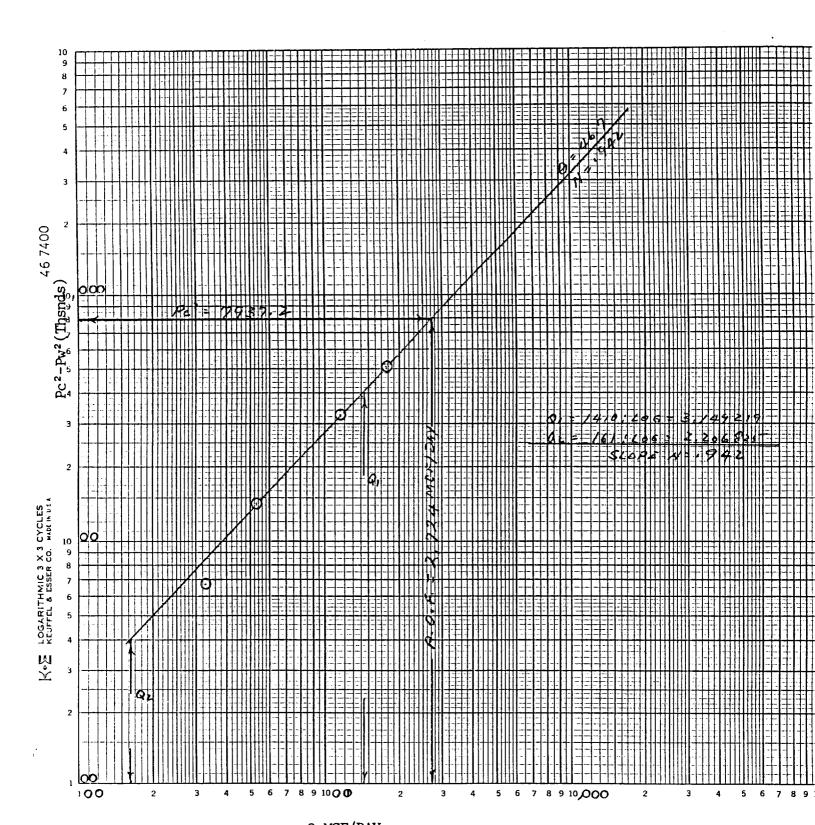
P. O. BOX 2088

Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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	*=corrected to 2.293% CO ₂ & .39% N2													
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App	oved By Di	Aletou		Conduct	ed Bys			Culculate	od By:			Checked	Вүі	
, ,,,,	,			1	- • •			ı	•		,			

Mewbourne Oil Company Federal T, Well #1 Eddy County, New Mexico 12 - 18S - 27E 10-11-90



Submit 5 Copies
Appropriate District Office
DISTRICT I P.O. Box 1980, Hobbs, NM 88240

State of New Mexico nergy, Minerals and Natural Resources Depar. Int

OIL CONSERVATION DIVISION

Santa Fe, New Mexico 87504-2088

P.O. Box 2088

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

DISTRICT III

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

00 Rio Brazos Rd., Aztec, NM 87410	REQUEST FOR ALLO	WABLE AND AUTHORIZATION ON AND NATURAL GAS		e Op
perator	TO THANSFOR	1 OIL AND NATONAL GAG	Well API No.	
Mewbourne Oil Co	mnanv		30-015-	-26404
ldress				
P.O. Box 52/0 I eason(s) for Filing (Check proper box)	Hobbs, New Mexico	Other (Please explain	1)	
w Well	Change in Transporter of	, ,	•	
completion	Oil Dry Gas			
ange in Operator	Casinghead Gas Condensate			
nange of operator give name address of previous operator				
DESCRIPTION OF WELL		Late the Fermation	Kind of Lease	Lease No.
ase Name	1 1	, Including Formation	XIII OI Lease XIII Federal OF XIX	NM-42410
Federal "T"	1 North	Illinois Camp Morrow		NM-42410
Unit LetterA	:660 Feet From 1	The North Line and 99	90 Feet From The	East Line
Section 12 Towns	hip 18S Range 2	27E , nmpm ,	Eddy	y County
. DESIGNATION OF TRA	NSPORTER OF OIL AND N	NATURAL GAS		
me of Authorized Transporter of Oil	or Condensate X	Address (Give address to which		
oco Pipeline Inter- erporate Trucking		Oil Tender Dept.		
me of Authorized Transporter of Casi		<u> </u>		
answestern Pipeline		P.O. Box 1188 Ho Rge. Is gas actually connected?	ouston, Texas 7	/ ZDI=1138
vell produces oil or liquids, clocation of tanks.		77F. Yes	02/07/91	
	t from any other lease or pool, give co	<u> </u>	··· · · · ·	
COMPLETION DATA	and the second s			
Designate Type of Completion	Oil Well Gas V	Well New Well Workover	Deepen Plug Back S	ame Res'v Diff Res'v
te Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.	
		Top Oil/Con Pay		
vations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth	
forations			Depth Casing	Shoe
TOTALIOIIS				
	TUBING, CASING	AND CEMENTING RECORD)	
HOLE SIZE	CASING & TUBING SIZE			CKS CEMENT
TEST DATA AND REQUI	EST FOR ALLOWARIE			
TEST DATA AND REQUI L WELL (Test must be after	TO FUR ALLUM ADDE	and must be equal to or exceed top allow	vable for this depth or be for	full 24 hours.)
ite First New Oil Run To Tank	Date of Test	Producing Method (Flow, pur	np, gas lift, etc.)	
THE THE TAN CHINE TO THE				
ength of Test	Tubing Pressure	Casing Pressure	Choke Size	
And Bud Dudge Took	Oil - Bbls.	Water - Bbls.	Gas- MCF	
ctual Prod. During Test	OII - DUIS.			
GAS WELL				
ctual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Co	ndensate
sting Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size	
sung meurou (puor, ouek pr.)				
T ODED ATOD CEDITE	CATE OF COMPLIANC	E	055:445:6:-	N. //C!C!!
I hereby certify that the rules and reg			SERVATION D	NVISION
Division have been complied with a	nd that the information given above			4004
is true and complete to the best of m	knowledge and belief.	Date Approved	MAR 1 2	1991
1,14/1	On a dist			
10/10/1	aney	By ORIGIN	IAL SIGNED BY	
Signature	District Supt		VILLIAMS	
W.H. Cravey	Title		VISOR, DISTRICT I !	ı
	(505) 393-5905	Title SUPER		•
Date 02/18/91	Telephone No.			

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

Date

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.

Telephone No.

- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

BRUCE KING GOVERNOR OIL CONSERVATION DIVISION ARTESIA DISTRICT OFFICE

P.O. DRAWER OD ARTESIA, NEW MEXICO 88211 (505) 748-1283

Date: August 9, 1991

Mew bourne Oil Co. P.O. Box 5270 Hobbs, N.M. 88241

Re: Wells placed in pools

Gentlemen:

As the result of Division Order R-9545 the following described well (s) (has have) been placed in the pool (s) shown below. This change in nomenclature has been made in our files. Please change your records to reflect the proper pool name. All subsequent reports must show this nomenclature until further notice.

North Illinois Camp- Morrow Gas Pool-78890

Federal T #1 A-12-18-27

Chalk Bluff Fed. Com. #1 N-1-18-27

Transporters are advised, by copy of this letter, to change their records to reflect the pool name as established by this order, effective ______.

Sincerely.

Darrell Moore
District Geologist

cc: Each Transporter Amoco Pipeline, Transwestern Santa Fe

Mae

Well File Joe Chism

BLM

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June 1989) DEPARTME	NITED STATES , INT OF THE EVIERION	Eugli Bareau No. 1004-0030 Expires: March 31, 1953 Louis Despiration and Senal No.
SUNDRY NOTICE	S AND REPORTS ON WELLS	NM-42410 6. If Indian, Allottes on Tribe Name
Do not use this form for proposals to	drill or to deepen or reentry to a different reservoir. OR PERMIT—" for such proposals	
SUBM	IT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well	AUG - 2 1993	8. Well Name and No.
X Oil Gas Other	C. t.D.	Federal "T" No. 1
2. Name of Operator	Marine . , Stormer .	9. API Well No.
Mewbourne Oil Company 🗸		
3. Address and Telephone No. P.O. Box 5270 Hobbs, New 4. Location of Well (Footage, Sec., T., R., M., or Survey)	Mexico 88241 (505) 393-5905 Description)	10. Field and Pool, or Exploratory Area Canyon 11. County or Parish, State
660' FNL & 990' FEL		County on County Cases
Sec. 12-T18S-R27E		Eddy Co., N.M.
12. CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE, REPO	
TYPE OF SUBMISSION	TYPE OF ACTION	V
Notice of Intent	Abandonment Recompletion	Change of Plans New Construction
Subsequent Report	Plugging Back Casing Repair	Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing Other	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

- 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*
 - 1. Plug back existing perforations (10,008'-10,054') with a CIBP @ 9950' and 9040'. Cap both plugs with 50' cement.
 - 2. Perforate the Cisco formation @ 7700'-8050'.
 - 3. Stimulate if necessary.



Procedure per conversation with Adam S. on June 23, 1993.

14. I hereby certify that the loggoing is true and correct Signed	TitleDistrict_Supt	Date July 14, 1993
(This space for Federal or State office (Sec.) Approved by Conditions of approval, if any:	Title Petroleum Engineer	Date Date

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

NM OTE CONS. COMMISSION Drawer DD FORM APPROVED UNITED STATES Form 3160-5 Budget Bureau No. 1004-0135 DEPARTMENT OF THE INTERIOR testa. MM (June 1990) Expires: March 31, 1993 BUREAU OF LAND MANAGEMENT 5. Lease Designation and Serial No. NM-42410 BUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals MELEIVED 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 00T - 6 **1993** 1. Type of Well 8. Well Name and No. Oil Weli X Gas Well Federal "T" #1 2. Name of Operator 9. API Well No. Mewbourne Oil Company 30-015-26404 3. Address and Telephone No. 10. Field and Pool, or Exploratory Area P.O. Box 5270 Hobbs, New Mexico 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) North Illinois Camp Morrow 11. County or Parish, State 660' FNL & 990' FEL Eddy Co. New Mexico Sec. 12-T18S-R27E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent **New Construction** Recompletion Non-Routine Fracturing Subsequent Report Plugging Back Water Shut-Off Casing Repair Conversion to Injection Altering Casing Final Abandonment Notice Dispose Water Other (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Verbal from Adam Salameh 08/14/93 Well pumping 1442 BW. 0 BO, 0 MCF from attempted completion in Cisco formation. MIRU well service rig. Set CIBP @ 7595' over Cisco Perfs (7685'-7695'). Dump 4 sx. cmt. on plug. Perf. 08/15/93 Wolfcamp formation (7330'-7360') (44 H) Swabbed well down w/no entry. 08/16/93 Acidized Wolfcamp formation w/3000 gal 15% FE acid. Swabbed water w/no show of

	1 Cl 1 a Motteamb totmasis	(=====		7 750/ 55 -	_ • _ 1	-
08/19/93	Acidized Wolfcamp format	ion (7092'-	/146') W/3000	gal. 15% hE at	C1a.	
08/20/93	Swabbed well w/no show o	f oil or ga	S.			\ (0011)
08/21/93	Set CIBP @ 7078' over Pe	rfs (7092'-	7146'). Perf	'd Wolfcamp (6	868'-7038') (80H)
08/22/93	Acidized Wolfcamp format	ion (6868'-	7038') w/3000	gal. 15% FE a	cid.	
08/24/93	Swabbing water w/trace o	f oil.				
08/26/93	Acid frac'd Wolfcamp (68	868'-7038')	w/3000 gal. 2	0% FE acid & 1	5,000 gal.	gel water
, , , , , , , , , , , , , , , , , , , ,	See attached page.					
14. I hereby certify	the for going is tone and correct					•
Signed	least freumen	_ Title Prod	uction Engine	er	Date 09/08/	93
(This space for I	Federal or State office use)			ACCEPTED FO	B BECORD	
Approved by		_ Title			A2IC	
Conditions of ap	proval, if any:	_		J. Ja	ra	
				9CT - 4	1993	
Tid. 19 II C Sect	ion 1001, makes it a crime for any person knowing	elv and willfully to ma	ce to any department or age	ency of the United States any	false, fictitious or f	audulent statements
or representations as	to any matter within its jurisdiction.					
		*See Instruction	on Beverse Side	CARLSBAD, NE	W MEXICO	

*See Instruction on Reverse Side

Set CIBP @ 7300' over Wolfcamp formation (7330'-7360'). Dump 4 sx. cmt. on plug.

Perf'd Wolfcamp formation (7092'-7146') (62H). Swabbed well down. No entry.

08/17/93

08/18/93

oil or gas.

08/27/93 RIH w/pump & started pumping well. 08/28/93 0 BO 276 BW 8 MCF 09/03/93 5 BO 30 BW 5 MCF 09/05/93 2 BO 25 BW 4 MCF

BUREAU OF LAND MANAGEMENT 1. 3 5 Leare Designation and Serial No. NM-4241 0 10 10 10 10 10 10 10		TED STATES MI OTL COMM. COMMENSESSED	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not use this form for proposals to entire or output of relative to a direction reservoir. Use "APPLICATION FOR PERMIT" To such proposals **SUBMIT IN TRIPLICATE** SEP***8193** **Revet Well Subsequent Sept Subsequent Sept Subsequent Sept Subsequent Subseque	BUREAU OF I	LAND MANAGEMENT TO ME SEELE	
Do not use this form for proposals to drill not obeginned retaining to a direction reservoir. Use "APPLICATION FOR PERMIT" To such proposals	11 03 M '93	AND DEPORTS ON WELLS	
Submit Notice of Intent Submit	AUG LA 11 03 "SUNDRY NOTICES	AND REPORTS ON WELLS	
Submit in Triplicate Sep = 8 1993	Do not use this form for proposals to dr	R PERMIT—" for such proposals	·
Type of Well Gas G	AREA	OPE PIVED	7. If Unit or CA, Agreement Designation
Compared Operation Company Com	SUBMIT	IN TRIPLICATE	
Section Company Pederal Till Date Pederal Till Till Date Pederal Till		SEP - 8 1993	9 Wall Name and No.
Newbourne 0il Company 9. Andrew No. 30-015-26804	Well Well Other	6 C.D.	
3. Address and Telephone No. P. C. Box 5270 Hobbs, New Mexico 88241 (505) 393-5905 4. Location of Welf (Frouge, Sec., T. R. M., or Survey Description) 660' FNL & 990' FEL Sec. 12-T18S-R27E 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Recompletion Proposed or Completed Operations (Clearly state all periment details), and give periment data. Including estimated date of statings any embourface locations and measured and true vertical depths for all markers and rose pertinent to this work.)* Verball from Adam - BLM. 13. Describe Proposed or Completed Operations (Clearly state all periment details), and give periment details work.)* Verball from Adam - BLM. 14. Describe Proposed or Completed Operations (Clearly state all periment details), and give periment details work.)* Verball from Adam - BLM. 15. Describe Proposed or Completed Operations (Clearly state all periment details), and give periment date. Including estimated date of statings any embourface locations and measured and true vertical depths for all markers and rose periment to this work.)* Verball from Adam - BLM. 16. Title Proposed or Completed Operations (Clearly state all periment details), and give periment dates, including estimated date of statings any embourface locations and measured and true vertical depths for all markers and rose periment dates, including estimated date of statings any embourface locations and measured and true vertical depths for all markers and rose periment dates, including estimated date of statings any embourface locations and measured and true vertical depths for all markers and rose periment dates, including estimated date of statings and water completions of statings and embourface locations and measured and true vertical depth for all markers and rose periment dates, including estimated date of statings and water and rose periment dates, including estimated date of statings and water a		A STORY OF THE STORY	9. API Well No.
P. C. Box 5270 Hobbts New Mexico 88241 (505) 393-5905 4. Location of Well (Proage, Sec. 1. R. M., or Survey Decorption) 660' FNL & 990' FEL Sec. 12-T18S-R27E 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intext Abandonment Non-Routine Fracturing Recompletion Non-Routine Fracturing Non-Routine Fractu	Mewbourne Oil Company 3 Address and Telephone No.		30-015-26404
4. Lecarition of Well (Footage, Sec., T. R. M., or Survey Description) Abandomment County or Parish, State Morr		xico 88241 (505) 393-5905	
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION	4. Location of Well (Footage, Sec., T., R., M., or Survey D		North Illinois Camp
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Change of Plans Notice of Intent Abandoment Change of Plans New Construction			11. County or Parish, State Morrow
TIME IN LIS.C. Section 1001, makes if a crime for any person knowingly and willfully to make to any department or agency of the United Serice of Incomplete on Sanguage of Plans Type of Submission Type of Action Type of	660' FNL & 990' FEL Sec. 12	2-T18S-R27E	Eddy Co. N. M.
TYPE OF SUBMISSION Notice of Intent Abandonment Recompletion New Construction		TO INDICATE MATURE OF MOTICE RE	
Notice of Intent Abandonment Recompletion Non-Routine Fracturing Recompletion Non-Routine Fracturing Non-Routine Recomplication Non-Routine Fracturing No	12. CHECK APPROPRIATE BOX		
Recompletion Reco	TYPE OF SUBMISSION	TYPE OF ACTI	ON
Subsequent Report	Notice of Intent	Abandonment	Change of Plans
Casing Repair Water Shut-Off Chomersion to Injection Chopse Water (Note: Reportents) to Injection Dispose Water (Note: Reportents) of military cosing Chopse with the proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of stating any proposed work. If well is directionally regive subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Verball 1 from Adam - BLM. 107/19/93		1 -	New Construction
Secretic Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. (Nover Recompletions Recompletions Recompletions Recompletions and measured and true vertical depths for all markers and zones pertinent to this work.)* Verball from Adam – BLM. 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If their dates in a completion of Recompletions Reportation Recompletion Recomp	X Subsequent Report		
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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work. If well is directionally give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Verball from Adam – BLM. 107/19/93 Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt. 107/21/93 Set 5-1/2" CIBP @ 9040' @ top of liner. Dumped 4 sx. cmt. 107/22/92 Perf. Cisco Formation (8034'-8042' w/2 SPF & 8055'-8060' w/2SPF. Swabbed tested all water. 107/24/93 Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060') 107/25/93 Perf. Cisco Formation 7832'-7840' w/2 SPF. Swab tested all water. 107/27/93 Set cmt. retainer @ 77820'. Pumped 100 sx. cmt. into perfs. (7832'-7840') 107/28/93 Perf. Cisco Formation 7790'-7798' w/2 SPF. Swab tested all water. 107/29/93 Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7790'-7798') 107/30/93 Perf. Cisco Formation 7760'-7768' w/2 SPF. Swab tested all water. 107/31/93 Set cmt. retainer @ 7745'. Pumped 100 sx. cmt. into perfs. (7760'-7768') 108/01/93 Perf. Cisco Formation 7685'-7695' w/4 SPF. Swab tested all water. 108/03/93 Acidized Cisco Formation (7685'-7695' w/4 SPF. Swab tested water w/show of gas. 108/03/93 RIH w/tbg. pump to 5033' & started pumping well. 108/06/93 1200 BWPD No oil. 108/06/93 1200 BWPD No oil. 119 Interest certify the performance of the complete of the c			(Note: Report results of multiple completion on Well
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14. I hereby certify that the forgoing is frue and correct Signed			
Signed			
Signed	Id I hereby certify that the following is find and correct a		
(This space for Federal or State office use) Approved by Title Date Conditions of approval, if any: Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, and false, and fals	Math Howard	Title Engineer	Date August 20, 1993
Approved by Title Date Conditions of approval, if any: Jaca	Signed		
Approved by Conditions of approval, if any: Jaca		Title	Date
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, Incitious or fraudulent states or representations as to any matter within its jurisdiction.	Approved by Conditions of approval, if any:	Tauc	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, Tictifious or fraudulent states or representations as to any matter within its jurisdiction.			L. Jara
or representations as to any matter within its jurisdiction.	Title 18 11 S.C. Section 1001, makes it a crime for any perso	on knowingly and willfully to make to any department or agency of the	United States any false, Tictifious or fraudulent statement
*Coo Instruction on Bourse Side	or representations as to any matter within its jurisdiction.		

Submit 5 Copies Appropriate District Office DISTRICT I P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

RECEIVED

ISTRICT II	OIL CONSERVAT		KECEIAED
O. Drawer DD, Artesia, NM 88210	P.O. Box Santa Fe, New Mexi		007 - 4 1993
OOO Rio Brazos Rd., Aztec, NM 87410	REQUEST FOR ALLOWABLE TO TRANSPORT OIL A	ND NATURAL GAS	Q. L. D.
Operator		Well a	LPI No. 015-26404
MEWBOURNE OIL COMP	PANY	30-	013-20404
P.O. BOX 5270, HOE	BBS, NM 88241		
Reason(s) for Filing (Check proper box)	Change in Transporter of:	Other (Please explain)	
New Well Recompletion	Oil Dry Gas		
Change in Operator	Casinghead Gas -Condensate		
f change of operator give name and address of previous operator			
Lesse Name FEDERAL "T"	AND LEASE Well No. Pool Name, Including 1 NORTH ILLING	State Of the State of State	of Lease No. Federal or Fee NM-42410
Location			test From The FEL Line
Unit Letter	: 660' Feet From The FA	L Line and 990 F	eet From The FEL Line
Section 12 Township	, 18S Range 27E	, NMPM, EDDY	County
m DESIGNATION OF TRAN	SPORTER OF OIL AND NATUR	AL GAS	d ship form in to be sent)
Name of Authorized Transporter of Oil	or Condensate	Address (Give address to which approve	a copy of this form is to be said
AMO Name of Authorized Transporter of Casing	thead Gas X or Dry Gas	Address (Give address to which approve	d copy of this form is to be sent)
GPM GAS CORPORATION		BARTLESVILLE, OKLAHOM Is gas actually connected? Who	
If well produces oil or liquids, give location of tanks.	12 18S 27E	YES	8-1-93
If this production is commingled with that IV. COMPLETION DATA	from any other lease or pool, give comminglis	ng order number:	- hand
	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v Diff Res'v
Designate Type of Completion Date Speeded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe
	TUBING, CASING AND	CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
V. TEST DATA AND REQUE	EST FOR ALLOWABLE		((((((((((((((((((((
OIL WELL (Test must be after	recovery of total volume of load oil and must	be equal to or exceed top allowable for Producing Method (Flow, pump, gas l	this depth or be for full 24 nours.) ft, etc.)
Date First New Oil Run To Tank	Date of Test		Onoke Size
Length of Test	Tubing Pressure	Casing Pressure	Chale Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbis.	Gas- MCF
GAS WELL			Gravity of Condensate
Actual Prod. Test - MCF/D	Length of Test	Bbis. Condensate/MMCF	Castay or Comment
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-m)	Casing Pressure (Shut-in)	Choke Size
VL OPERATOR CERTIFI	ICATE OF COMPLIANCE	OIL CONSEF	RVATION DIVISION
I hereby certify that the rules and re Division have been complied with a is time and complete to the best of n	nd that the information given above	Date Approved	OCT - 7 1993
Att		Du ORIGINI	AL SIGNED BY
Signature YAY PRUDHOMME	PRODUCTION FNGINEER	MIKE W	ILLIAMS VISOR, DISTRICT II
Printed Name SEPT. 28, 1993	(505) 393-5905	Title SUPERI	
Date	Telephone No.		processing the second of the s

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance
- with Rule 111. 2) All sections of this form must be filled out for allowable on new and recompleted wells.

- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Form 316% f (June 1926)

UNITED STATES DEFARTMENT OF THE INTERIOR DUTTED OF LAND MANACEMENT

NM OIL Common Common Drawer DD Artesia, MI 88210

FORM AFFRONED

Lucgo Enter, Nr. 1004-0131

Expires, March 31, 1963

1011 Designation and Serial Nr.

C/58

(This space for Federal or State office use) Approved by Conditions of approval, if any:	Tide Petroleum Empine ut	Date 10/18/93
14. I hereby certify that the foregoing is true and correct Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed Signed	Tide Production Engineer	Date 09/21/93
	rt which charts the annulus pressure	
Mewhourne Oil Company here by	depths for all markers and zones pertinent to this work.)* requests "shut-in" status pending all. The well was spudded 06/28/90.	further evaluation
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Shut-in Status	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
CHECK APPROPRIATE BOX(s) TYPE OF SUBMISSION	TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
1. Type of Well Oil X Well Other 2. Name of Operator Newbourne Oil Company 3. Address and Telephone No. P.O. Box 5270 Hobbs, New Mexic 4. Location of Well (Footage, Sec., T., R., M., or Survey Descr 660' FNL & 990' FEL Sec. 12-T18S-R27F	co 88241 (505) 393-5905	8. Well Name and No. Federal "T" #1 9. API Well No. 30-015-26404 10. Field and Pool, or Exploratory Area North Illinois Camp Morro 11. County or Parish, State Eddy Co. N.M.
	N TRIPLICATE PERIVEC	7. If Unit or CA, Agreement Designation
SUNDRY NOTICES APPLICATION FOR I	NM-42410 6. If Indian, Allottee or Tribe Name	

HALLIBURTON SERVICES

ACQUIRE Version 1.52

CUSTOMER AND JOB INFORMATION

Customer	MEWBOURNE OIL	Date	21-Aug-1993
Contractor	X-PERT	County	EDDY
Lease	FED-T	Town	
Location	ARTESIA	Section	
Formation		Range	
Job Type	ACID	Permit No	
Country	USA	Well No	1
State	NM	Field Name	

Customer Representative BRENT THURMAP

Halliburton Operator TOMMY VAUGHN

Ticket No. 498331NO

STAGE DESCRIPTIONS

ST ACID ST FLUSH

WELL CONFIGURATION INFORMATION

Packer Type COMP Depth 6765 ft Bottom Hole Temp. 120.0 Deg F

PIPE CONFIGURATION

Wellbore	Measured		Casing	Casing	Tubing	Tubing
Segment	Depth	TVD	ID	O D	10	0 D
Number	(ft)	(ft)	(inch)	(inch)	(inch)	(inch)
1	6868	6868	4.950	5,500	2.441	2.875

PERFORATIONS

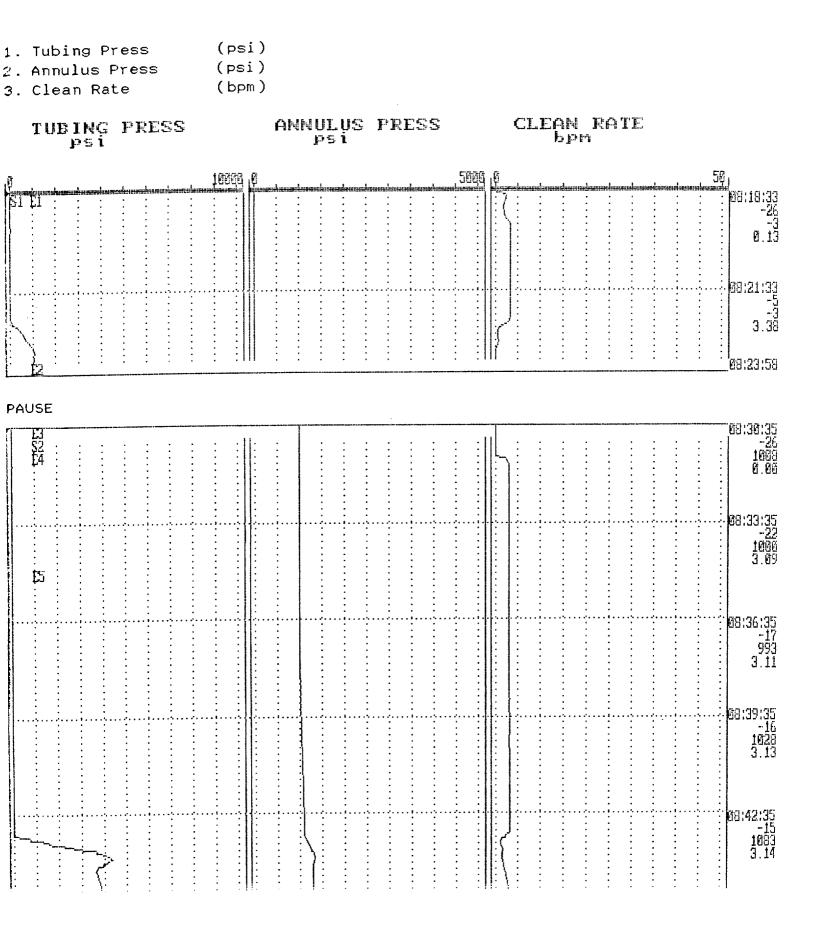
Perforation	Top	Bottom	Shots per
Interval	(ft)	(ft)	(ft)
1	6868	7038	2

REMARKS ABOUT JOB

TREAT AS INST	
	

NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT BECAUSE OF VARIABLE MELL CONDITIONS AND OTHER INFORMATION WHICH MUST BE RELIED UPON, HALLIBURTON MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OF THE DATA OR OF ANY CALCULATIONS OR OPINIONS EXPRESSED HEREIN. YOU AGREE THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE

STREET STRIP CHART STREET CHART STREET CHART



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Form 3160-5 (June 1990)

U. IED STATES DEPARTMENT OF THE INTERIOR

NW TL CO Di ar Di Artesia,	NM	COMMISSION FORM APPROVED Budget Bureau No. 1004-0135 88&bos. March 31, 1993	c1:
	5. 1	Lease Designation and Serial No.	
	١.	U 40470	

BUREAU OF LAND MANAGEMENT NM 42410 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allonee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 2 Well Name and No. Oil Well Other Federal T #1 2. Name of Operator 9. API Well No. Mewbourne Oil Company 30-015-26404 3. Address and Telephone No. 10. Field and Pool, or Exploratory Area 88241 (505) 393-5905 P.O. Box 5270 Hobbs, New Mexico N. Illinois Camp Morrow 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State 660' FNL & 990' FEL Sec. 12-T18S-R27E Eddy Co. N.M. UNIT A CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent **New Construction** Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair Conversion to Injection Altering Casing Final Abandonment Notice Other Casing Integrity Test Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled,

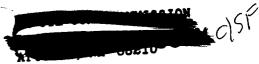
give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- Loaded casing with 80 bbls. water and tested to 1,000#. Lost 10# in 30 minutes. Casing integrity test witnessed and approved by BLM representative on 5/23/95.
- Had no pressure on 5-1/2" 8-5/8" Annulus or 8-5/8" 13-3/8" Annulus 1 0 1995

4. I hereby cortify that the foregoing is true and correct Signed	Engineer	5/24/95 Date
	ue	

NM OIL CONS COMMISSION Drawer DD

Artesia, NM 88210



Non-Routine Fracturing

Conversion to Injection

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

Water Shut-Off

Dispose Water

Form 3160-5 UNITED STATES FORM APPROVED Budget Bureau No. 1004-0135 (June 1990) DEPARTMENT OF THE INTERIOR Expires: March 31, 1993 BUREAU OF LAND MANAGEMENT 5. Lease Designation and Serial No. NM 42410 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well Oil Well 8. Well Name and No. 2. Name of Operator Federal "T" #1 9. API Well No. Mewbourne Oil Company 3. Address and Telephone No. 30-015-26404 10. Field and Pool, or Exploratory Area 88241 (505) 393-5905 P.O. Box 5270 Hobbs, New Mexico 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) N. Illinois Camp Morrow 11. County or Parish, State 660' FNL & 990' FEL Sec. 12-T18S-R27E Uxiit A Eddy Co. N.M. 12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans New Construction Recompletion Subsequent Report

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugging Back

Casing Repair

Altering Casing

Mewbourne Oil requests temporary abandonment status for the above referenced well for the purpose of evaluating further behind pipe potential. This well passed the casing integrity test as noted on the attached sundry notice.

Final Abandonment Notice

TH APPROVED FOR 12 MORDINE ENDING 5/23/96

Other Temporary Abandonment

OH CON DIV.

	Told	
14. I hereby cortify that the lockaging is true and correct Signed Title	Engineer	Date Aug. 3, 1995
(This space for Federal or Sale office use) 105 G LATA Approved by Conditions of approval, if any:	DETERMENT ENGINEER	Date 8/85

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

Form: 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT N.M. Oil Cons. Division Lease Designation and Serial No.

FORM APPROVED Budget Bureau No 1004-0135

Expires March 31, 1993

1st Street	NM	4241

	811 S. 1st Street	NN 42410
	811 S. 1st Street AND REPORTS ON WELLS. NM 88210-2834 If or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well O': S Well Other	DEC 05 '96	E Well Name and No.
We: XX Well LJ Other Name of Operator	O. C. D.	Federal T #1
Mewbourne Oil Company	ARTESIA, OFFICE	30-015-26404
3 Address and Telephone No	1 (505) 393-5905	10 Field and Pool, or Exploratory Area
P.O. Box 5270, Hobbs, NM 8824		N. Illinois Camp Morrow
4 Location of Well (Footage Sec., T., R., M., or Survey De	(Scription)	11. County or Parish, State
660' FNL & 990' FEL Sec. 12-T18S-R27E		Eddy Co., NM
Sec. 12-1165-R27E		
CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment Recompletion	Change of Plans New Construction
Subsequent Report	Plugging Back Casing Repair	Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing X Other Temporary Abandonmen	Conversion to Injection Dispose Water (Note Repenresults of multiple completion on Well
		Completion or Recompletion Report and Log form)
Mewbourne Oil Company request	Il pertinent details, and give pertinent dates, including estimated date of starting call depths for all markers and zones pertinent to this work.)* Is an extension of Temporary Abandonme: Purpose of evaluating further behind Tity test on 05/23/95 and indicates no	nt Status for the pipe potential. This
		RECEIVED Nov 27 9 50 AM '96 SEC. 15 55 55 55 55 55 55 55 55 55 55 55 55

11/25/96 Engineer Approved by Conditions of approval, if any

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

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

IN.IVI. WILL CORS. DIVISION 811 & st Street

Artesia, NM 88210-2834 u No. 1004-0135 Expires: March 31, 1993

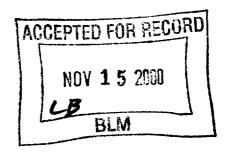
SUBSEAU OF LAND ARANIA OF MEDIT	
BUREAU OF LAND MANAGEMENT	5. Lease Designation and Serial No. NM-42410
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals	6. If Indian, Allottee or Tribe Name
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas Well Well X Other 2. Name of Operator	8. Well Name and No. Federal T #1
Mewbourne Oil Com(any 3. Address and Telephone No. PO Box 5270, Hobbs, NM 505-393-5905	9. API Well No. 30-015-26404 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL & 990' FEL, Sec.12 T-18S R-27E	N. Illinois Camp Morrow 11. County or Parish, State
	Eddy, NM

			<u> </u>
2.	CHECK APPROPRIATE BOX(s)	O INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
	TYPE OF SUBMISSION	TYPE O	FACTION
	Notice of Intent	Abandonment	Change of Plans
		Recompletion	New Construction
	X Subsequent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
	Final Abandonment Notice	Altering Casing	Conversion to Injection
		X Other MIT.	Dispose Water
			(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)*

The above caption well was successfully MIT'ed on 10/25/2000. (520 psi for 30 mins.) The pressure chart is enclosed. If any question, please call.





14. I hereby certify that the foregoing is true and correct					
Signed Signed Signed	Title	N.M. Young	District Manager	Date	11/01/00
(This space for Federal or State office use)					
Approved by Conditions of approval, if any:	Title			Date	
Conditions of approval, if any.					

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

OCD-Artesia

Form 3160-5 (June 1990) UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS To not use this form for proposals to drill or to deepen or reentry to a different reservoir. SUBMIT IN TRIPLICATE 7. If Unit or CA, Agreement Designation Type of Well One One One One One One One One One One			NM-42410
SUBMIT IN TRIPLICATE Type of Wel	o not use this form for proposa	ils to drill or to deepen or reentry to a different reservoi	6. If Indian, Allottee or Tribe Name
Sill Gast Other Seed all #1	S	UBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
Secretary Secr	. Type of Well		
Name of Operation Name of Operation Mewbourne Oil Comflany September No.	Oil Gas		8. Well Name and No.
Mewbourne Oil Complany Address and Telephone No. PO Box 5270, Hobbs, NM 505-393-5905 Location of Well (Footage, Sec., T. R. M., or Survey Description) 10. Field and Pool, or Exploratory Area N. Illinois Camp Mortow 11. County or Parish, State Eddy, NM 2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION New Construction Subsequent Report Plugging Back Casing Repair Altering Casing Non-Routine Fracturing Water Shu-Coff (India, Rigori Jacks or New Construction) 3. Describe Proposed or Completed Operations (Clearly state all perined debtis, and give pertinent dates, including estimated date of stating any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all mandrens and zones pertinent to this work. The above caption well is currently under T/A status, Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6500". We are considering converting this well into a SWD. At this time, Mewbourne would like to schedule a CIT (500 ps) & after passing, extend T/A status for an additional time. If any question, please call. Tale N.M. Young District Manager Tale N.M. Young District Manager Date 10/06/00			
Address and felephone No. PO Box \$270, Hobbs, NM 505-393-5905 Location of Well (Flodiage, Sec., T. R. M., or Survey Description) 660' FNL & 990' FEL, Sec. 12 T-18S R-27E 2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Abandonment Recompletion			
PO Box 5270, Hobbs, NM 505-393-5905 Location of Well (Footage, Sec., T. R. M. or Survey Description) 10. Field and Pool, or Exploratory Area N. Illinois Camp Morrow 11. County or Parish, State Eddy, NM 22. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of stating any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work, if well is a 5 1/2" (CIBP above all pertine @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schelude a CIT (500 ps) & after passing, extend T/A status for an additional time. If all hereby certify that for foregoing is true and correct Signed M. M. Young District Manager Date 10/06/00. 10. Field and Pool, or Exploratory Area N. Illinois Camp Morrow 11. Country or Parish, State Eddy, NM 11. Country or Parish, State Eddy, NM 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION Change of Prans			
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11. County or Parish, State Eddy, NM 2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Recompletion New Construction		<u>-</u> -	
Eddy, NM 2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent		, , ,	
TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent	660' FNL & 990' FEL, Sec.12 T-18S	R-27E	
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Notice of Intent Abandonment Recompletion New Construction New Conversion to Injection Dispose Water Ctrack Report search of unique completion or New Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.) The above caption well is currently under T/A status. Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schedulde a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call. All hereby certity that he foregoing is true and correct Signed N.M. Young District Manager Date 10/06/00 D			
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Subsequent Report Plugging Back Non-Routine Fracturing Water Shut-Off Water Shut-Off Water Shut-Off Water Shut-Off Other CIT & Extend T/A. Other CIT & Extend T/A. Other CIT & Extend T/A.	Notice of Intent		
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□ Final Abandonment Notice □ Altering Casing □ Conversion to Injection □ Dispose Water □ Disp	oubsequent report		r
3. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)* The above caption well is currently under T/A status. Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schelude a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call. This pace for Federal of State office use) This N.M. Young District Manager Date 10/06/00 This space for Federal or State office use)	Final Abandonment Notice		
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14. I hereby certify that the foregoing is true and correct Signed 1.		s (Clearly state all pertinet details, and give pertinent dates, including estimated da	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) te of starting any proposed work. If well is
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Form 3160-5 (June 1990)

TED STATES DEPARTMENT OF THE INTERIOR DEPARTMENT OF THE INTERIOR THE INTERIOR OF THE INTERI

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
ase Designation and 6

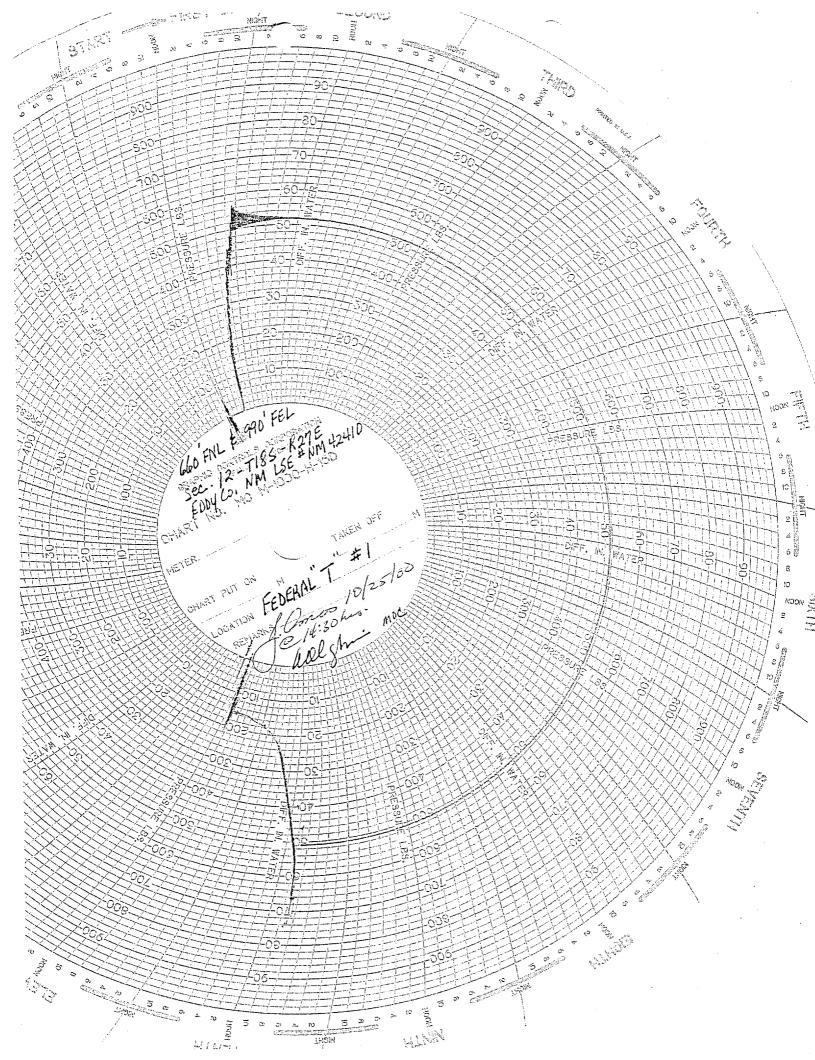
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Submit In Triple of Membra Submit In Triple of	BUREAU OF	AGEMENT 5. Lease Designation and Serial No. NM-42410
SUBMIT IN TRIPLICATE 1. Type of Wall	ise this form for proposals to d	pen or reentry to a different reservoir.
S. Well Name and No. Federal T #1		CATE 7. If Unit or CA, Agreement Designation
2. Name of Operator Mewbourne Oil Com(any 3. Address and Telephone No. PO Box 5270, Hobbs, NM 505-393-5905 4. Location of Well (Footage, Sec. 1, R., M., or Survey Description) 660' FNL & 990' FEL, Sec. 12 T-18S R-27E 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Notice of Intent Subsequent Report Pinal Abandonment Notice Pinal Abandonment Notice New Construction Non-Routine Fracturing Non-Routine Fracturi	Gas	8. Well Name and No.
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4. Location of Well (Footage, Sec. T., R. M., of Survey Description) 8. Intillude Carling Molecol (Sec. 12 T-18S R-27E) 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Non-Routine Fracturing Non-Routine F	•	10. Field and Pool, or Exploratory Are
11. County or Parish, State Eddy, NM 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans		N. Illinois Camp Morrow
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION	of Well (Footage, Sec., 1., K., W., of Survey D	<i>y</i> .
TYPE OF SUBMISSION TYPE OF ACTION	IL & 990' FEL, Sec.12 T-18S R-27E	Eddy, NM
Notice of Intent Abandonment Change of Plans	CHECK APPROPRIATE BOX	ATE NATURE OF NOTICE, REPORT, OR OTHER DATA
Recompletion New Construction New Construction New Construction New Construction Subsequent Report Plugging Back Non-Routine Fracturing Water Shut-Off Casing Repair Water Shut-Off Other CIT & Extend T/A. Dispose Water New Report seals of final state of the construction New Construction Non-Routine Fracturing Non-Routine Fracturing New End United States Non-Routine Fracturing Water Shut-Off Non-Routine Fracturing New Construction New Construction New Construction Non-Routine Fracturing New Construction Non-Routine Fracturing Non-Routine		
Recompletion New Construction Notice of Intent	Abandonment Change of Plans	
Gasing Repair Water Shut-Off Conversion to Injection Dispose Water Disposed or Completed Operations (Clearly state all pertined datalis, and give pertinent datas, including estimated date of starting any proposed work. If directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.) The above caption well is currently under T/A status. Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schelude a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call. The above caption well is currently under T/A status for an additional time. If any question, please call. The above the foregoing is true and correct Signed Mill M	Modes of Intella	Recompletion New Construction
Casing Repair Water Shut-Off Conversion to Injection Dispose Water CIT & Extend T/A. Dispose Water Conversion to Injection Dispose Water Conversion to Injection Dispose Water Conversion to Injection Dispose Water Conversion to Injection Conversion to Injection Dispose Water Conversion to Injection	Subsequent Report	Plugging Back Non-Routine Fracturing
Signed Altering Casing Conversion to Injection Dispose Water Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other CIT & Extend T/A. Dispose Water Other Completion of Recomplicion Fepots and Dispose Water Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion of Recomplicion Fepots and Other Completion Fepots and Other		
13. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)* The above caption well is currently under T/A status. Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schelude a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call. The Approved For La Worth Period Ending Location Period Location Period Ending Location Period Location Period Location Period Ending Location Period	Final Abandonment Notice	
13. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)* The above caption well is currently under T/A status. Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schelude a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call. The Approved For A Wonth Period Entire: /// Approved For A Wonth Period Entire: /// Approved For A Wonth Period Entire: /// Approved For A Wonth Period If any question, please call. The Submit A Contract of the properties of the foregoing is true and correct Signed A Wonth Foregoing		
13. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)* The above caption well is currently under T/A status. Mewbourne Oil Company would like to extend this status. The well has a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this time, Mewbourne would like to schelude a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call. The Approved For A Month Period Ending 10/25/260 Note to Operator: Please Submit a control of the foregoing is true and correct Signed Many Many Company by Salary and Correct Title N.M. Young District Manager Date 10/06/00 Title N.M. Young District Manager Date 11/06/00		
The Approved For 12 Month Period Ending 10/25/2001 Note to Operator: Recid a rapy Flease Submit a rapy of Dressure test chart, on 11/9/2000 J. D. T. 14. I hereby certify that the foregoing is true and correct Signed J. M. M. Young District Manager Date 10/06/00 Title N.M. Young District Manager Date 11/6/20	." CIBP above all perfs @ 6800". We de	g converting this well into a SWD. At this time, Mewbourne would like to
Note to Operator: Please Submit a cory of pressure test chart, only 2000, y Title N.M. Young District Manager Date 10/06/00 Title Date 11/6/20	դuestion, please call.	
Signed	Ti	For 12 Month Period 25 70 10/25/2001 25 70 25 70 70 70 70 70 70 70 70 70 70 70 70 70
Signed	Vote to Operato	Rec'd a coy Sound D
Signed	f pressure test	ARE 20 D
(This space for Federal or State office use) Approved by Date 11/6/20		e N.M. Young District Manager Date 10/06/00
Approved by Selection Title Date 11/6/20	71- W. I AMPW	
Approved by Yall Co. /xu Title Date 11/10/ac	M. M. Tona	21/1/2/2000
Conditions of approval, if any:	by	e Date
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or		durilliable to make to any department or expose of the United States any false firitings or fraudi

MEDENVED

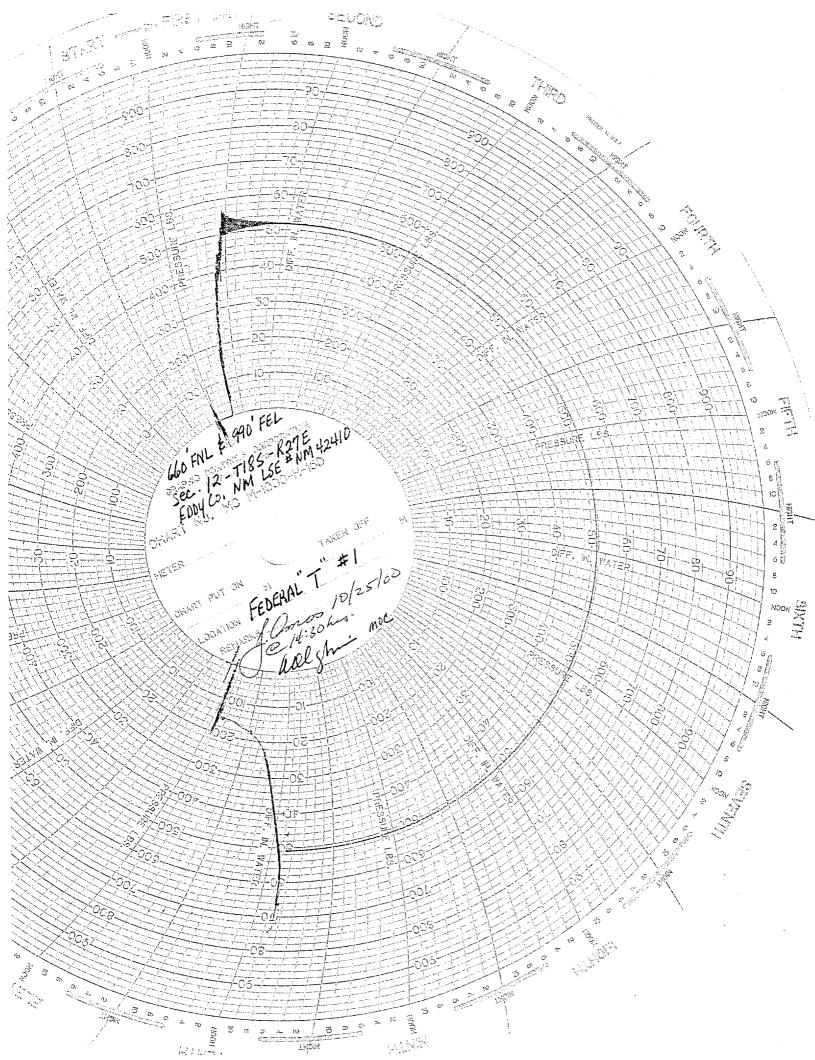
2000 NOV -9 P 2: 16

2000 NOV -9 P 2: 16

2000 NOV -9 P 2: 16



MO NOV-91P 2: 16
MO NOV-91P 2: 16





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

Field Inspection Program
"Preserving the Integrity of Our Environment"

05-Dec-03

MEWBOURNE OIL CO PO BOX 7698 TYLER, TX 75711-0000

NOTICE OF VIOLATION - Inspection

Dear Operator:

The following inspection(s) indicate that the well, equipment, location or operational status of the well(s) failed to meet standards of the New Mexico Oil Conservation Division as described in the detail section below. To comply with standards imposed by Rules and Regulations of the Division, corrective action must be taken immediately and the situation brought into compliance. The detail section indicates preliminary findings and/or probable nature of the violation. This determination is based on an inspection of your well or facility by an inspector employed by the Oil Conservation Division on the date(s) indicated.

Please notify the proper district office of the Division, in writing, of the date corrective actions are scheduled to be made so that arrangements can be made to reinspect the well and/or facility.

Rule 201. (Idle Well)

		INSPECTION	V DE IAIL	SECTION		
FEDERAL	Т 001	A-12	-18S-27E	30-015-26404-00-0	00	
Inspection Date	Type Inspection	Inspector	Violation?	*Significant Non-Compliance?	Corrective Action Due By:	Inspection No.
12/05/2003	Routine/Periodic	Mike Bratcher	Yes	No	3/9/2004	iMLB0333931134
Comments	on Inspection: TA	status for this well expired $10/24$	5/01 Last pro-	duction reported was 7/	93. Well is in viola	ation of

INCRECTION DETAIL CECTION

In the event that a satisfactory response is not received to this letter of direction by the "Corrective Action Due By:" date shown above, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Divison Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

Sincerely,

Artesia OCD District Office

Note: nformation in Detail Section comes directly from field inspector data entries - not all blanks will contain data.

*Significant Non-Compliance events are reported directly to the EPA, Region VI, Dallas, Texas.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

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INSPECTION DETAIL SECTION

FEDERAL T 001

A-12-18S-27E

30-015-26404-00-00

Inspection Date

Type Inspection

Inspector

*Significant Non-Compliance?

Corrective ce? Action Due By:

Inspection No.

12/04/2003

Routine/Periodic

Mike Bratcher

Violation? Yes

No

3/9/2004

iMLB0333840462

Comments on Inspection:

Well sign is illegible and is not standing. Violation Rule 103.

In the event that a satisfactory response is not received to this letter of direction by the "Corrective Action Due By:" date shown above, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Divison Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

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Artesia OCD District Office

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor Joanna Prukop Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

9 January 2004

MEWBOURNE OIL CO PO Box 7698 Tyler TX 75711

RE: Federal T 001

A-12-18s-27e API 30-015-26404 Violation of Rule 103: Well sign violation

Dear Sirs:

This second directive is to notify you that these wells are still in violation of Rule 103

On December 4,2003 a letter was sent notifying you on the violation of Rule 103. An inspection of the wells on January 6, 2004 found no action had been taken.

Rule 103 of the New Mexico Oil Conservation Division provides as follows:

103 SIGN ON WELLS

All wells and related facilities by the Division shall be identified by a sign, which sign shall remain in place until the well is plugged and abandoned and the related facilities are closed. For drilling wells, the sign shall be posted on the derrick or not more than 20 feet from the well. The sign shall be of durable construction and the lettering shall be legible and large enough to be read under normal conditions at a distance of 50 feet. The wells on each lease or property shall be numbered in non-repetitive, logical and distinctive sequence. An operator will have 90 days from the effective date of an operator name change to change the operator name on the well sign unless an extension of time, for good cause shown along with a schedule for making the changes, is granted. Each sign shall show the:

- 1. number of well:
- 2. name of property;
- 3. name of operator;
- 4. location by footage, quarter-quarter section, township and range (or Unit Letter can be substituted for the quarter-quarter section), and
- 5. API number.

In the event that a satisfactory response is not received to this letter of direction by February 6,2004 further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

Sincerely,

Mike Bratcher, Compliance Officer

Mike Broth

Form 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT OCD-ARTESIA

5. Lease Serial No.

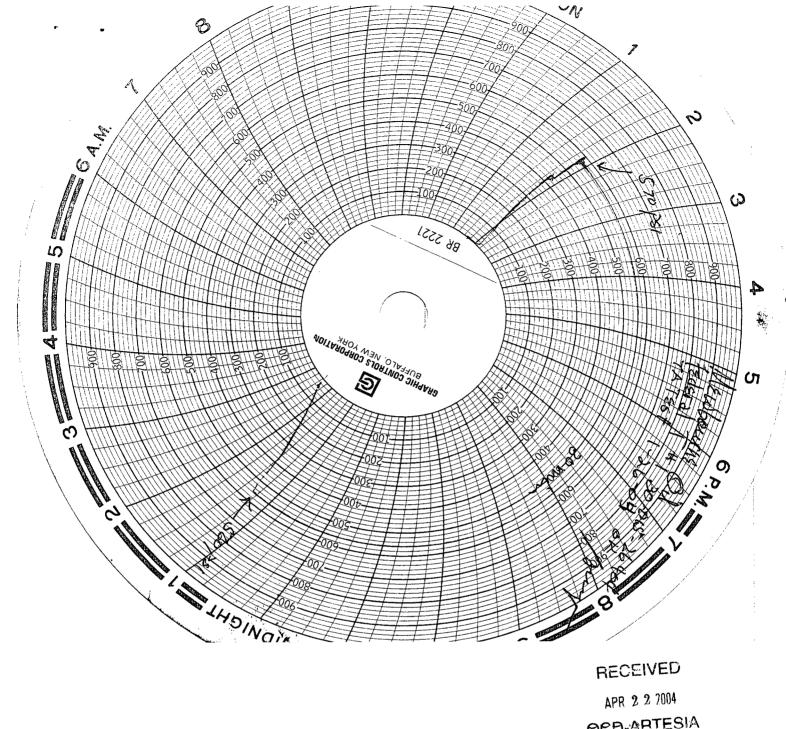
FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NO	TICES AND REPORTS ON WELLS	
Do not use this for	rm for proposals to drill or to re-enter a	n
abandoned well. Us	se Form 3160-3 (APD) for such proposals.	

NM-42410 6. If Indian, Allottee or Tribe Name

Section 1991	IPEICATE - Other instruc	ctions on revers	se side	7. If Unit or Ca	A/Agreement, Name and/or No.
1. Type of Well					, , , , , , , , , , , , , , , , , , ,
	Other			8. Well Name	and No.
2. Name of Operator	4.4			Federal T#1	
Mewbourne Oil Company 1474 Ba. Address	14	21. Dhana Na Gual		9. API Well N	
a. Address		3b. Phone No. (incli	•	30-015-2640	
PO Box 5270 Hobbs, NM 882		505-393-5905	RECEIVED		Pool, or Exploratory Area
Location of Well (Footage, Sec.,	T, R., M., or Survey Description)		APR 2 2 2004	N Illinois Ca	amp Morrow
660' FNL & 990' FEL, Sec 12-T	118C-D27E			· ·	ransh, State
	105-R27E		OCD-ARTESIA	Eddy Co Ni	M
12. CHECK API	PROPRIATE BOX(ES) TO	INDICATE NAT	URE OF NOTICE, RE	EPORT, OR (OTHER DATA
TYPE OF SUBMISSION		ŗ	TYPE OF ACTION		
	Acidize [Deepen	Production (Start	(Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamation		Well Integrity
	Casing Repair	New Construction	=	7	Other MIT Test
✓ Subsequent Report	Change Plans	Plug and Abandor	= :	undon	
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal	andon	
Describe Proposed or Complete	d Operation (clearly state all pertin	ent details, including	estimated starting date of at	y proposed worl	k and approximate duration thereof
testing has been completed. Fin determined that the site is ready. The above caption well was succ The pressure chart is enclosed. Requesting extension of tempore 5 1/2" CIBP set @ 6800'. No ty	cessfully MIT ed on 01/26/04. of ary abandon status.	filed only after all req	uirements, including reclar	nation, have bee	n completed, and the operator has
14. 1 hereby certify that the foregoin		record - NMOC	D		
Name (PrintedlTyped)	ig to true and confect				
NM Young		Title	Hobbs District Manager		<u></u>
Signature A. M.		Date	01/27/04		
	THIS SPACE FO	OR FEDERAL OR	STATE OFFICE USE		
Approved by (Signature)	/s/Joe G. I	_ara	Name (Printed/Typeds/ Joe G.		Title Pet, Engr.
Conditions of approval, if any, are certify that the applicant holds leg, which would entitle the applicant to	attached. Approval of this notice al or equitable title to those rights conduct operations thereon.	does not warrant or s in the subject lease	°CARLSBAD	FIELD O	FFICTER 4/20/04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



RECEIVED APR 2 2 2004 OCD-ARTESIA

C104AReport

Page 1 of 1

<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-145 Permit 72521

Change of Operator

Previous Opera	tor Information	New Operator I	New Operator Information			
		Effective Date:	4/1/2008			
OGRID:	14744	OGRID:	6137			
Name:	MEWBOURNE OIL CO	Name:	DEVON ENERGY PRODUCTION COMPANY, LP			
Address:	PO BOX 5270	Address:	20 N Broadway			
Address:		Address:				
City, State, Zip:	HOBBS, NM 88241	City, State, Zip:	Oklahoma City , OK 73102			

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previous (Operator	New Oper	ator / \
Signature: Printed Name:	Most blette Monty L. Whetstone	Signature: Printed Name:	Gregg Jacob Cregg Jacob
Title:	Vice-President Operations	Title:	Western Operations Manager
Dote:	4/4/08 Phone: (903) 561-2900	Date:	//07/09 Phone://05) 552 /501

NMOCD Approval

Electronic Signature: Carmen Reno, District 2

Date: April 07, 2008

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

FSIA

FORM APROVED OMB NO-1004-0135 SÍRES-NÖVEMBÉR 30, 2000

BUREAU OF LAND MANAGEMENT		ART
JNDRY NOTICES AND REPORTS ON WELLS	•	OCD-ART

Lease Serial No. Do not use this form for proposals to drill or to re-enter an NM-42410 6. If Indian, Allottee or Tribe Name abandoned well. Use Form 3160-3 (APD) for such proposals SUBMIT IN TRIPLICATE 7. Unit or CA Agreement Name and No. 1a Type of Well Oil Well ☑ Gas Well <u> 1111 | 2 | 1 2008</u> Other 8 Well Name and No. Name of Operator Federal T 1 **DEVON ENERGY PRODUCTION COMPANY, LP** 9. API Well No 30-015-26404 3. Address and Telephone No. 20 North Broadway, Oklahoma City, OK 73102 405-552-8198 10. Field and Pool, or Exploratory Wolfcamp 4. Location of Well (Report location clearly and in accordance with Federal requirements)* 12. County or Parish 13. State 660' FNL & 990' FEL otion 12 T100 D27E | Init A Eddy

Section 12 1 105 INZTE,	OIIILA			Luuy	14141		
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OS SUBMISSION I TYPE OF ACTION							
✓ Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-Off ✓ Subsequent Report Acidize Fracture Treat Reclamation Well Integrity ✓ Casing Repair New Construction Recomplete Other Change Plans Plug and Abandon Temporarily Abandon ✓ Convert to Injection Plug Back Water Disposal							
Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal sepen directionally or recomplete honzontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide a Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multipole completion or recompletion in a new							

Devon Energy Production Company, LP is preparing Form C108, Application for Authorization to Inject that will be filed with the Oil Conservation Division, Santa Fe, New Mexcio office. Devon is proposing to convert the Federal T #1 well to SWD in the Lower Wolfcamp and Cisco zones from 7400' to 8200'. The BLM has been sent a copy of C108 application filed with the OCD.

interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has

- 1. RIH and drill out CIBP's at 6,800', 7,078', & 7,265'.
- 2. Perform injection step rate test in the Lower Wolfcamp.
- 3. Drill out CIBP at 7,560' and cement retainers at 7,745', 7,780', & 7,820', & 8,000'.
- 4. Perforate / Reperforate Cisco with casing gun, 0.42" EHD, 2 spf from 7,893'-7,899'; 7,902'-7,907'; 7,910'-7,916'; 7,919'-7,927'; 7,932'-7,959'; 7,965'-7,967'; 7,971'-7,972'; 7,976'-7,978'; 8,034'-8,042'; 8,055'-8,060'; 8160'-8164'.
- 5. Frac as recommended.

determined that the site is ready for final inspection)

- 6. RIH with RBP and set at +/- 7,865'.
- 7. Perforate / Reperforate Cisco with casing gun, 0.42" EHD, 2 spf at 7,758'-7,768'; 7,790'-7,798'; 7,800'-7818'; 7,832'-7,840'.
- 8. Frac as per recommended.
- 9. POOH with RBP and RIH with tubing and packer. Set packer at 7,600'. Perform injection step rate test in Cisco.
- 10. Tie in disposal line routed from West Red Lake SWD Battery and establish injection.

* Either, return the well to active status plans for abandonmen'l. by 11-16-08 or subnit

14. I hereby centify that the foregoing	Name	Norvella Adams Sr. Staff Engineering Technician	Date	APPR@VED
(This space for Federal or State Off	Tice use)	A .	Date	JUL 1 6 2008
Conditions of approval, if any:	HEACHER	1 1 2 2	. v	002
its jurisdiction	nor any person knowingly and willidily to make any depar	Timent or agency of the Office States any laise,	· · · ·	SUPERVISOR FRO
		13 / 2 / 2	. 1	

Submit 3 Copies To Appropriate District	State of New N	Mexico		Form C-103
Office	Energy, Minerals and Na			May 27, 2004
<u>District I</u> 1625 N. French Dr , Hobbs, NM 88240	Energy, withorars and No	marar Rosourous	WELL API N	
District II	OIL CONIGERATION	NI DIVICIONI		30-015-26404
301 W Grand Ave., Artesia, NM 88210	OIL CONSERVATION		5. Indicate Ty	
<u>District III</u> 000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fi		STATE	
District IV	Santa Fe, NM	87505		Gas Lease No.
1220 S St Francis Dr, Santa Fe, NM				
37505 SUNDRY NOTICE	ES AND REPORTS ON WEL		7 Logge Norm	a an Unit A argament Nama
DO NOT USE THIS FORM FOR PROPOSA			ſ	e or Unit Agreement Name
DIFFERENT RESERVOIR USE "APPLICA"			Federal T	
PROPOSALS)	·		8. Well Numb	200
. Type of Well: Oil Well 🔲 G	is Well Other -Convert t	o SWD	6. Well Nulli	1
. Name of Operator			9. OGRID Ni	
-	PRODUCTION COMPANY	LP	J. OGRIDIN	6137
3. Address of Operator	RODUCTION COMPANY	, 1,1	10. Pool name	
O North Broadway, Oklahoma Cit	v, OK 73102 405-5	52-8198		olfcamp and Cisco 961
4. Well Location	,,,		<u></u>	101.
	6601 C + C + H NODE	TH 1' - 1 000	6 . 1 6 .	d FAOT 1
	660'feet from the _NOR'			
Section 12	Township 18S	Range 27E	NMPM	County Eddy
	11. Elevation (Show whether L	OR, RKB, RT, GR, etc.)	
	3709' KB; 3697' GL			
t or Below-grade Tank Application 🗌 or C				
typeDepth to Groundwater	Distance from nearest fres	h water well Dis	tance from nearest	surface water
Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Co	onstruction Materia	ıl
12 Charle An	propriate Box to Indicate	Noture of Notice	Papart or Oth	per Dota
12. Check Ap	propriate box to indicate	nature of notice,	Report of Off	ici Data
NOTICE OF INTI	ENTION TO:	SUB	SECLIENT F	REPORT OF:
	PLUG AND ABANDON	REMEDIAL WOR		ALTERING CASING
·—	CHANGE PLANS	COMMENCE DR		
	MULTIPLE COMPL	CASING/CEMEN		-
OLL OR ALTER CASING [] I	NOLTIFLE COMPL	CASING/CEIVIEN	1306	1
OTHER:		OTHER I Conv	ert to SWD. Ad	min. Order SWD-1135
13. Describe proposed or complet	ed operations. (Clearly state a	Il pertinent details, an	d give pertinent	dates, including estimated date
). SEE RULE 1103. For Muli			
or recompletion.	,. SEE ROBE 1103. 1 of Man	inpie Compietions. 11	itaen wensone al	agram or proposed completion
04/08 RU unit. ND wellhead and N	J BOP TIH with bit and drill	collars.		
5/08 Drill CIBP at 6800' and 7078'		Contains		
06/08 Drilled through cement at 752		at 7560' and CIBP at	7595'.	
07/08 Ran step rate test; pumped 50				imped 50 bbls at 2 bbls/min –
# psi, pumped 50 bbls at 3 bbls/min -				•
08/08 Trucked in and established inj				
1/08 Drilled cement retainers at 774		•		
2/08 Drilled cement retainer at 782	0' and 8000'. Circulate hole a			
3/08 Perforate Cisco from 7893' -				0 gals 15% HCl + 120,372 gals
ectra Star 2500 + 167,552 # 20/40 W	hite sand.	·		
4/08 TIH with retrievable tool and		icker and TOOH with	packer and tubi	ng. RU wireline and perforate
co from 7758'-7840'; 228 total hole				
5/08 TIH with packer and set at 758				
6/08 Frac 7758'-8060' with 4500 g		,255 gals Spectra 250	0 + 106,750 # 20	0/40 100% White sand. RD.
8/08 Release packer. TOOH with p	J			
0/08 TIH with bailer and bailed san				
5/08 TIH with packer and tubing. S				
ke Bratcher with OCD. TOOH with	tubing. RIH with 3 ½" IPC to	ibing and set at 6789'	. Injection line i	installation in progress.
ereby certify that the information abo	ove is true and complete to the	best of my knowledg	e and belief. If	irther certify that any pit or below-
de tank has been/will be constructed or clo	sed according to NMOCD guideline	s ∐, a general permit ∐	or an (attached) al	ternative OCD-approved plan [].
SNATURE I	() TITLE	Cn Staff Fasi	oring Tookside	n DATE 0/17/00
gnature Sorvella Adams	E-mail address			n_DATE_9/17/08_ Telephone No. 405-552-8108
	E-mail address	. norvena.adams@	avn.com	Telephone No. 405-552-8198
r State Use Only PPROVED BY:	דודו ב			DATE
		eepted for record	 	DATE
onditions of Approval (if any):	70		-	

	NERGY PRODUCTI			
ell Name: FEDERAL T #1			DIS CAMP MORROW	
cation: 660' FNL & 990' FEL; SEC 12-T18S-R2		EDDY	State: NM	
evation: 3634' KB; 3618' GL		ate: 6/28/90	Compl Date: 9/13/90	
Pl#: 30-015-26404 Prepared by: Norvella Add	ms Date:	9/1//08	Rev:	
Current Schematic L. Wolfcamp and Cisco SWD 17-1/2" Hole 13-3/8", 68#, LTC, @ 472' Cmt'd w/450 Sx. Circ to surface		M A U A Y S	ormation Tops forrow 9,600-10,250' toka 9.230'- 9,700' ipper Wolfcamp 6,400' - 7,200' bo 5,600' - 6,200' eso 3,300' 0 3,900' an Andres 2,000' - 2,800' tueen 1,450' - 1,650'	
12-1/4" Hole 8-5/8", J55, 32#, STC, @ 2,589' Cmt'd w/900 Sx. Circ to surface			9:3 #, N80, Injection tubing @ 6789' IPC Packer @ 6,789'	
<u>WOLFCAMP</u> (8/21/93) 6,868' - 7,038' <u>WOLFCAMP</u> (8/18/93) 7,092' - 7,097'; 7,120' - 7,146'				
<u>WOLFCAMP</u> (8/16/93) 7,330' - 7,340'; 7,350' - 7,360'				
SWD Perforations:				
<u>CISCO</u> (8/1/93) 7,685' - 7,695 '				
<u>CISCO</u> (7/30/93) 7,760' - 7,768'			with 4500 gals 15% Spearhead acid and ctra Star 2500 + 106,750 # 100% 20/40	
<u>CISCO</u> (7/28/93) 7,790' - 7,798'		Frac 7893'-8060'	with 5040 gals 15% HCl acid and 120,372	
<u>CISCO</u> (7/25/93) 7,932' - 7,940'			r 2500 + 167,552 # 100% 20/40 White sand.	
<u>CISCO</u> (7/22/93) 8,034' - 8,042' 8,055' - 8,060'		35' cement. CIBP @ 9,040		
4" Liner top @ 9,055'				
7-7/8" Hole <u>5-1/2", N80, 17#, LTC, @ 9,473'</u> Cmt'd w/430 Sx				
<u>MORROW</u> (9/14/90) 10,008' - 10,014'		CIBP @ 9,950	' (7/19/93)	
10,038' - 10,054'	M.		*	

Bill Richardson

Joanna Prukop Cabinet Secretary Reese Fullerton Deputy Cabinet Secretary OCD-ARTESIA OCT 9 7 2008

Mark Fesmire
Division Director
Oil Conservation Division



Administrative Order SWD-1135 July 16, 2008

APPLICATION OF DEVON ENERGY PRODUCTION COMPANY, L.P. FOR PRODUCED WATER DISPOSAL, EDDY COUNTY, NEW MEXICO

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Devon Energy Production Company, L.P. (OGRID No. 6137) made application to the New Mexico Oil Conservation Division for permission to utilize for produced water disposal its Federal T Well No. 1 (API No. 30-015-26404) located 660 feet from the North line and 990 feet from the East line of Section 12, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Rule 701(B) of the Division Rules. Satisfactory information has been provided that all offset operators and surface owners have been duly notified. The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met and no objections have been received within the waiting period prescribed by said rule. The applicant is in compliance with Rule 40.

IT IS THEREFORE ORDERED THAT:

Devon Energy Production Company, L.P. ("operator") is hereby authorized to utilize its Federal T Well No. 1 (API No. 30-015-26404) located 660 feet from the North line and 990 feet from the East line of Section 12, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of produced water for disposal purposes into the Lower Wolfcamp formation and the Cisco formation through perforations from 7,400 feet to 8,200 feet and through plastic-lined tubing set in a packer located within 100 feet of the top of the injection interval.

IT IS FURTHER ORDERED THAT:



The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

After installing injection tubing, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved *leak detection device* in order to determine leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a *pressure limiting device* in workable condition which shall, at all times, limit surface injection pressure to the maximum allowable pressure for this well. The wellhead injection pressure on the well shall be limited to **no more than 1480 psi**.

The Director of the Division may authorize an increase in the maximum injection pressure upon a proper showing by the operator that such higher pressure would not result in migration of the injected fluid from the injection formation. Such proper showing should be supported by a valid step rate test run in accordance with procedures acceptable to the Division.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of any mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, or without notice and hearing in event of an emergency subject to NMSA 1978 Section 70-2-23, terminate the injection authority granted herein.

The operator shall provide written notice of the date of commencement of injection and the initial reservoir pressure to the Artesia district office of the Division.

The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 706 and 1120.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator

mailed prior to the expiration date, may grant an extension thereof for good cause shown.

This order does not relieve the operator of responsibility should its operations cause any actual damage or threat of damage to protectable fresh water, human health or the environment; nor does it relieve the operator of responsibility for complying with applicable Division rules or other state, federal, or local laws or regulations.

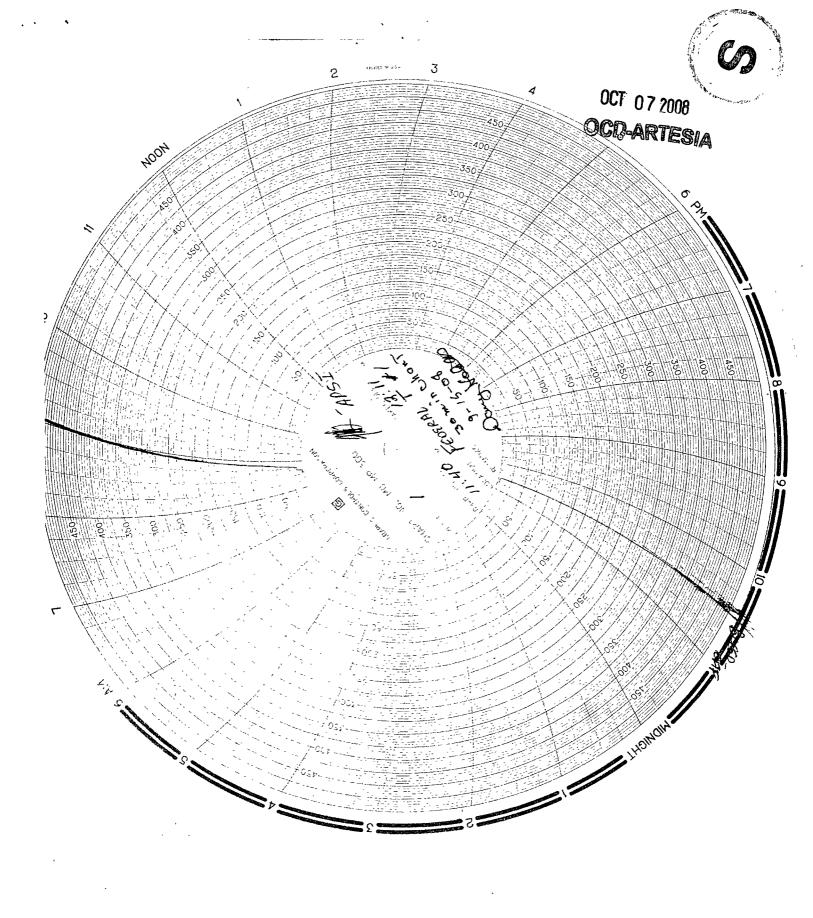
MARK E. FESMIRE, P.E.

Director

MEF/wvjj

cc: Oil Conservation Division - Artesia

Bureau of Land Management - Carlsbad



"SEP 19 2008

State Lease - 6 copies			C NI		8 40 7	R-LA				
Fee Lease - 5 copies District 1			te of New Mexic			<i>y-1</i> -0		A Revis	ed June	10, 2003
625 N French Dr , Hobbs, NM 8	8240	Ene	ergy, Minerals a	ind Natura	ai Resources		Well AF		045 264	0.4
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District III	NM 86210		Conservation D :0 South St. Fra				ate Type of Le		=EE	
000 Rio Brazos Rd, Aztec, NM 8 District IV										
istrict IV 220 S. St. Francis Dr., Santa Fe,	NM 87505	Sar	nta Fe, NM 875	005			State O	al & gas Lease	No	
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a Type of Well								se Name and U	11/2 / 11	7 11110
Oil Well Type of Completion	Gas Well	Dry 🗸	Other Convert to	SWD; Adn	nin Order SWD-113	<u>5</u>			-	
New Well	Work Over	☐ Deepen	☑ Plug Back	Diff. Res	vr., 🔲 Other			Fe	ederal T	1
Name of Operator	DEVON E	NERGY PRO	DUCTION COMPA	ANY, LP			8. Well	No.		
Address of Operator	20 North I	Broadwav. O	klahoma City, OK	73102			9 Pool	name or Wilde		d Cisco 96
Well Location							<u>.</u>		•	
Unit LetterA	660	feet from	the NORTH	line and	990'feet fro	m the	EAS			
Section 12		Township	<u> </u>	nge	27E NMPM				ddy	
). Date Spudded	11. Date T.D. F		•	ed 13 Ele WD	evations (DR, RKB, F	RT, GL	_)* 14	Elev Casingh	nead	
6/28/1990	8/25/19		9/15/08		3634' KB; 3618'					
5. Total Depth MD	16 Plug Back	1	17 If Multiple Compl	How Many	18. Intervals	F	Rotary Tools	s C	able Too	ls
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. Type Electric and Other		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Sait Water Disp	Josai Only)		-		22 Was Well		<u></u>
L-MGRD, SDL-DSN (or		, 							No)
<u> </u>		(CASING RECORD	(Report all	strings set in well)					
Casing Size	Weight	LB /FT.	Depth	Set	Hole Size		Cemen	ting Record		Amount Pulled
13-3/8"	68	B#	472	! '	17-1/2"		4	50 sx		
8-5/8"	32	2#	2589	9'	12 1/4"		9(00 sx		
5-1/2"	17	7#	9473	3'	7-7/8"	·	4	30 sx		
								¥ (!" B		
	ton		Liner Record	nent	Screen	25 Size		Tubing R		Packer Set
ze	top	Bottom	Sacks Cem		Screen	Size	-1/2" (IPC)	Depth Set		Packer Set
	top 9055'				Screen	Size	-1/2" (IPC)			Packer Set 6789'
ze4"	9055'	Bottom 10141'	Sacks Cem		Screen 27. Acid, Shot, Fr	Size 3	<u>-`</u>	Depth Set	39'	T
ze4"	9055'	Bottom 10141'	Sacks Cem			Size 3	e, Cement,	Depth Set	39'	6789'
ze 4" Perforation record (interva	9055' Il, size, and numbe 8/21/93)	10141'	Sacks Cem		27. Acid, Shot, Fra	Size 3 acture	e, Cement, Am	Depth Set 678 Squeeze, ETG ount and Kin	39' C. d Materi	6789' al Used
Perforation record (interva olfcamp; 6868'-7038' (olfcamp; 7092'-7097'; 7	9055' il, size, and numbe 8/21/93) 7120'-7146' (8/1	10141' r)	Sacks Cem		27. Acid, Shot, Fra	Size 3 acture Frac-	e, Cement, Am	Depth Set 678 Squeeze, ETG ount and Kin	39' C. d Materi	6789' al Used 0,372 gals Spectra
Ze 4" Perforation record (intervalolfcamp; 6868'-7038' (olfcamp; 7092'-7097'; 7olfcamp; 7330'-7340'; 7	9055' il, size, and numbe 8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1	10141' r)	Sacks Cem		27. Acid, Shot, Fr. Depth Interval	Size 3 acture Frac-	e, Cement, Am	Depth Set 678 Squeeze, ETG count and Kin s 15% HCI acid	39' C. d Materi	6789' al Used 0,372 gals Spectra
Ze 4" Perforation record (interva olfcamp; 6868'-7038' (9055' II, size, and numbe 8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1 I holes)	10141' r)	Sacks Cem		27. Acid, Shot, Fr. Depth Interval	Size 3 acture Frac-	e, Cement, Am	Depth Set 678 Squeeze, ETG count and Kin s 15% HCI acid	39' C. d Materi	6789' al Used 0,372 gals Spectra
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Ze 4" Perforation record (interval) olfcamp; 6868'-7038' (olfcamp; 7092'-7097'; 7 olfcamp; 7330'-7340'; 7 sco; 7893'-8060'; (140 sco; 7758'-7840'; (228	9055' 8/21/93) 7120'-7146' (8/17350'-7360' (8/194) holes)	10141' f) 18/93)	Sacks Cem		27. Acid, Shot, Fr. Depth Interval	Size 3 acture Frac- Star	-, Cement, Am 5040 gals 2500 + 167	Depth Set 678 Squeeze, ETG sount and Kin s 15% HCl acid 7,552 # 100% N	39' C. d Materi d and 12 White 20	6789' al Used 0,372 gals Spectra /40 Sand.
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E-mail Address.

norvella.adams@dvn.com

This Form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem test. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105

INDICATE FORMATIONS TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE rn New Mexico Northwestern New Mexico T. Penn "B' Yates T. Canyon T Ojo Alamo Queen T. Kirtland-Fruitland T. Penn "C" 1218 T Strawn T Penn "D" 1572 Grayburg T Atoka T. Pictured Cliffs 2072 T Miss T. Leadville San Andres T Cliff House T. Madison Tubb 4824 T Devonian T Menefee T. Point Lookout T Flhert 6016 Aho Silunan Wolfcamp T Montoya T Mancos T. McCracken 7682 Cisco 8912 T. Gallup T Ignacio Otzte T. Simpson Strawn 9513 McKee Base Greenhorn T Granite 9628 Atoka T. Ellenburger T. Dakota Morrow 9828 Gr Wash T Morrison Morrow Clastics 9965 Delaware Sand T. Todilto Lower Morrow 10104 T. Bone Springs T Entrada Barnett T Wingate T. Wolfcamp T Chinie T Penn T Permian T Cisco (Bough C) T. Penn "A" OIL OR GAS **SANDS OR ZONES** IMPORTANT WATER SANDS Include data on rate of water inflow and elevation to which water rose in hole No 2, from . No. 3, from ... to.... feet.... LITHOLOGY RECORD (Attach additional sheet if necessary)

		Thicknes In	OGT RECORD (Attach addition	1		Thickness in	
From	То	Feet	Lithology	From	То	Feet	Lithology
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Form 3160-4 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCT 06 2008 OCD ARTERIA

FORM APROVED
ARTH COMB NO. 1004-0137
EXPIRES. March 31, 2007

5. Lease Serial No

		<u> </u>	METFCOW	PLETION OR	RECOMPLE	TION F	REPORT AN	ID LOG			6-1	Lease S	Serial No	NM-42410		
1a. Typ		"" ⊨	iion men	Gas We	= '/		Other		Order 1135		ē	If Indian,	Allotte	or Tribe Nam	e	
ь Тур	e of Con	npletion L	New Well Other	∐ Work O	Work Over ☐ Deepen ☑ Plug Back ☐ Diff. Resvr.,							7 Unit or CA Agreement Name and No				
2 Nam	e of Op	erator		N ENERGY	DOD! IOTION								J			
3 Addi	ess		DEVO	N ENERGY I	PRODUCTION		PANY, LP 3a Phone i	No (inc	ude area co	ode)		Lease N	ame an	d Well No Federal T 1		
20 North Broadway 405-552-8198 Oklahoma City, OK 73102-8260									9	API We	ll No.	30-015-26404	0052)		
	tion of	Well (Repor	t location cle	early and in ac	cordance with	Feder	ral requirem	ents)*			1	0. Field a	nd Pool	, or Explorator	7	76131
Ats	Surface			66	0 FNL 990 FE	EL.					1	1. Sec, T		olfcamp and C , on Block and	isco	יכושו
At t	op prod	Interval rep	ported below								1	Su	rvey or A	Area 12 18\$ 27E		
At t	otal Dep	oth									1			sh 13. State		
			<u> </u>		<u>.</u>				9/15/08	- SWD	, 	Ec	ddy		NM	
14 Dat	e Spud	ded		15 Date T I	D Reached	1	16. Date Co	mplete				7 Elevati	ons (DF	R, RKB, RT, GI	.)*	
	6	5/28/1990		8.	/25/1990			☐ D	& A 🗹 Rea	dy to Pr	rod.		363	34' KB; 3618' (GL.	
18. Tot		n: MD		7600'	19. Plug E	Back T			6142'		20 De	oth Bridge		et: MD	617	7
21 Typ	e Electi	TVD ic & Other I		ogs Run (Su	bmit copy of ea	ach)	TVI			22 W	as well co	ored?	✓ N	TVI N Yes (S	ıbmıt ana	lvsis)
1						-					as DST ru		∠ N	lo 🗌 Yes (S	ıbmit rep	ort)
			riginal logs) ord (Report a	ll strings set i	n well)					Dir	ectional	Survey?	<u> </u>	o L Yes (S	ıbmit cop	<u>y)</u>
] ;	Stage Cemer					Slurr	y Vol			
Hole S		ze/Grade	Wt (#/ft)	Top (MD)	Bottom (MI	D)	Depth	1	No of Sks &		Cement	(B	BL)	Cement Top	* Amour	nt Pulled
12 1/4	-	-3/8"/LT&C -5/8"/J55	68 32		472' 2589'					0 Sx 0 Sx				Surf Surf		
7-7/8		1/2"/LT&C	17		9473'			\dashv		0 Sx		1		Surf		
4 3/4	"	4" / L80	10.46		10,141'				8	0 Sx				9055'		
24. Tub	ing Rec	cord	L	l l								<u> </u>		L		
	ize 2" IPC		Set (MD) 5789'	Packer Dept 6789		:e	Depth Set	(MD)	Packer I	Depth (N	MD)	Size	Depti	n Set (MD) P	acker De	oth (MD)
	ducing	Intervals	7709	6703		2	26 Perforat									
	F	ormation		Тор	Botton	n	Perfor	ated Int	erval	Siz	ze	No. Hole	S	Perf	Status	
Wolfcai	np			6868'	7360′	6	868'-7360'	•				140	Ор	en for SWD		
Cisco				7893'	7840'	7	'893-7840 '					228	On	en for SWD		
				 												
Morrow				10,008'	10,054	1 1	0,008-10,0	54'					Ab	andoned		
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D.	,									<u> </u>						
27 Aci		pth Interval	ent, Cement	Squeeze, Etc	<u>. </u>			A	mount and	Type of	Material					
	-	002 00001		E 5040	gals 15% HCI	:		la C	nastra Star	2500 .	407.550	# 4000/ 14	VII-14- 20	/// ooud		
	. '	893-8060'		F1aC - 5040	yais 15% HCI	aciu a	110 120,372	yais 3	pecua Star	2300 +	167,552	# 100% V	viiite 20	140 Sallu.		
	7	758-7840'		Frac - 4500	gals 15% Spe	arhead	d acid and	119,255	gals Spec	tra Star	2500 +	106,750 #	100% V	/hite 20/40 sa	nd.	
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70 B	J47	Tet A										··				
Date Fi		- Interval A	Hours	Test	- 	T			Oil Gi	ravitv	, 					
Produc		Test Date	Tested	Production	Oil BBL	Gas	MCF W	ater BBI		•		Gravity		Production		<u> </u>
NA			24									CCEP,	ΓED	FOR REC	ORD	
Chok		bg Press	Cea Press	24 Hr Date	Oil DD1	Cas	MCF W	ater BBI	_ Gas · O	ul Ratio	Welsia	ΔC	$\overline{\sqrt{11}}$) H. C		55
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		n - Interval E			. <u>. l</u>	<u> </u>						10		. 3 ZVUÖ		世
Date F		est Date	Hours Tested	Test Production	Oil BBL	Gas	MCF W	ater BBI	Oil Gi Corr.		Gas	Gravity		Production	Method	
												D		R. GLASS M ENGINE	- D	

Choke	Tbg. Press		ļ							l	
Size	Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water B	BL_	Gas · Oil Ratio	Well Status		
ĺ	}		─								
(See instru	ctions and space	es for additio	nal data on reve	rse side)					L		
29h Brodi	ıctıon - Interval (
Date First		Hours	Test				—	Oil Gravity			
Produced	Test Date	Tested	Production	Oil BBL	Gas MCF	Water Bi	3L	Corr. API	Gas Gravity		Production Method
Choke	Tbg. Press.							-			
Size	Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water Bl	3L	Gas : Oil Ratio	Well Status		
202 Dradi	etian Interval D						1				
Date First	ction - Interval D	Hours	Test				—т	Oil Gravity			
Produced	Test Date	Tested	Production	Oil BBL	Gas MCF	Water Bl	3L Í	Corr. API	Gas Gravity		Production Method
											
Choke	Tbg Press.										
Size	Flwg SI	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BI	3L	Gas : Oil Ratio	Well Status		
/Sac instru	tions and appear	o for additio			<u> </u>						
	tion of Gas (Solo		nal data on reve	ise side)				,	·····		
24. Disposit	ion or Gas (Soic	i, useu ioi iu	er, verited, etc.)								
30 Summa	ry of Porous Zor	nes (Include	Aquifers).				131	Formation (Log	Markers		
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			d contents thereo				l				
		interval teste	ed, cushion used	, time tool o	pen, flowing	and shut-in	1				
pressures a	ind recoveries.						l				
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For	mation	Тор	Bottom	Descrin	tions, Contei	nts etc	l		Name		Meas Depth
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								yburg			1572'
			ĺ					Andres			2072'
							Tubl				4824'
			`				Abo	fcamp			6016' 7682'
							Cisc				8912'
			[Stra				9513'
							Atok				9628'
							Mori				9828'
							Mor	row Clastics			9965'
							Low	er Morrow			10104'
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32. Addition	al remarks (incli	de plugging	procedure).								
33 Indicate	which items have	e been attac	ched by placing a	a check in th	ne appropriat	e box					
П., .		(4 6 "	-41 0	_	01 -1 -		1 55	T.D	Donas att		
Electri	cal/Mechanical L	ogs (1 full s	et req'd)		Geologic Re	port	J DS	T Report	Directional Survey	У	
Cund	ny Notice for plus	aging and co	ment verification	,	Core Analys	ıs 🗸	Oth	er Mallhar	e Schematic		
34 I hereby	certify that the	oregoing and ce	affached inform	nation is con	Core Analys			ined from all avid	e Schematic illable records (see	attached i	nstructions*
v→. i nereby	coming man me i	oregoing and	a attached IIIIOIII	ialion 15 CON	inpiete and th	oneolas de	COLLIN	mou nom an ava	mable records (See	, aliaonicu II	nou doublis)
_	_										
Name (Plea	se print)		Norvella	Adams		Title	•	S	r. Staff Engineering	Technicia	n
-,	Y		1)	16							
Signature	1	<u>_d</u>		<u> </u>	<u> </u>	Dat		9/17/2			
Title 18 U.S.C	Section 100 and	Title 49 U.S.	C. Section 1212, II	lake it a crime	for any perso	n knowlingly	and v	villfully to make to	any department or ag	ency of the l	United States any false,

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

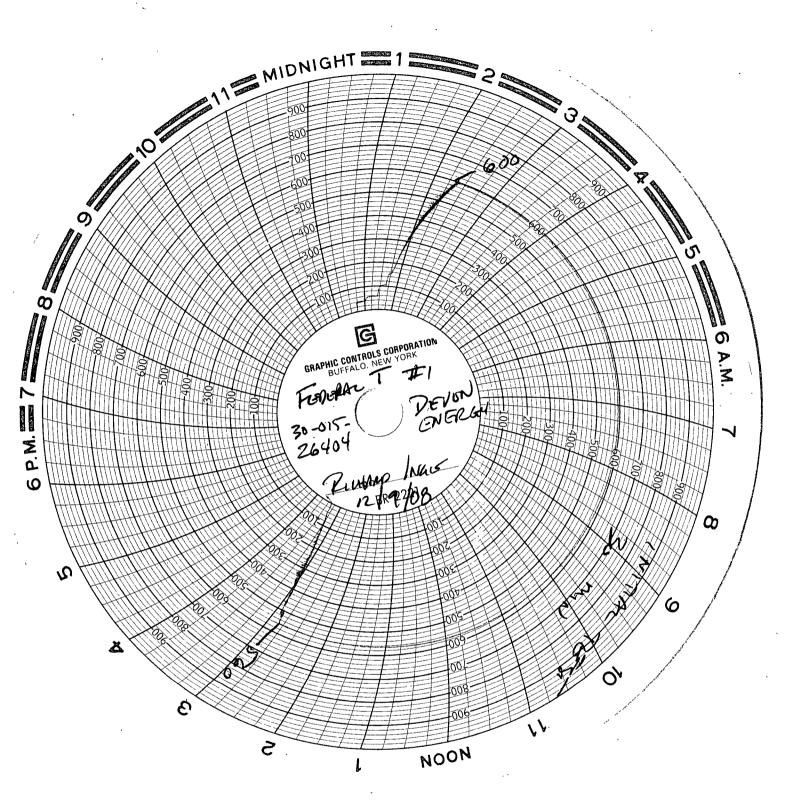
Form 3160-5 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APROVED OMB NO. 1004-0137 EXPIRES: March 31, 2007

CUNDRY NO.	TICES AND REPORTS ON	LIMEL LO			C. Large Carial Na	
Do not use this form	5 Lease Serial No	NM-42410				
abandoned well. Us	6. If Indian, Allottee					
SUBMIT IN TRIP	٦					
	7. Unit or CA Agree	ement Name and No.				
Type of Well						
Oil Well Gas We	Ⅱ <u>✓</u> Other SWD con	version.	Admin Order SWD-11	35	8 Well Name and N	lo
2. Name of Operator						Federal T 1
DEVON ENERGY PRODUC	TION COMPANY, LP				9 API Well No	
3a, Address		3b	. Phone No. (include are	ea code)	3	0-015-26404
20 North Broadway, Oklahoma City, O	K 73102	40	5-552-8198		10. Field and Pool,	or Exploratory Area
4 Location of Well (Footage, Sec., T.,		on)				fcamp and Cisco
660 FNL 990 FEL A 1	2 18S 27E				11. County or Paris	h, State
					Eddy	NM
	APPROPRIATE BOX(es) TO IND				Α
TYPE OS SUBMISSION			TYPE	OF ACTIO	N	
☐ Notice of Intent	Acidize		Deepen		tion (Start/Resume)	Water Shut-Off
	Alter Casing	Ļ.	Fracture Treat	Reclam		Well Integrity
☑ Subsequent Report	Casing Repair	<u> </u>	New Construction	Recom		Other
☐ Fınal Abandonment Notice	☐ Change Plans ☐ Convert to Injection	<u> </u>	Plug and Abandon Plug Back		arily Abandon Disposal	
13 Describe Proposed or Completed Operations (C						ximate duration thereof If the proposal
deepen directionally or recomplete horizontally, give si	ubsurface location and measured a	nd true vert	ical depths of all pertinent mark	ers and zones	Attach the Bond under which	the work will be performed or provide
the Bond No on file with BLM/BIA Required subsequinterval, a Form 3160-4 shall be filed once testing has						
determined that the site is ready for final inspection)	been completed. Final Abandonina	ent Notices	strail be filed only after all requir	ement, motual	ig reciamation, have been con	ipieted, and the operator has
Converted to SWD. Administrative Ord	er SWD-1135					
8/04/08 RU unit. ND wellhead and NU	BOP. T!H with bit and dril	l collars.				
8/05/08 Drill CIBP at 6800' and 7078'.						
8/06/08 Drilled through cement at 7525				5.0	150111 401114	75"
8/07/08 Ran step rate test; pumped 50 bbls at 3 bbls/min – 170# psi, pumped 8	•		1 50 bbis at 1 bbi/min -20	# psi, pun	iped 50 bbis at 2 bbis/m	nin – 75# psi, pumpea 50
8/08/08 Trucked in and established inje		•	PD at 170 psi.			
8/11/08 Drilled cement retainers at 774	·		_ u. ,, o po			
8/12/08 Drilled cement retainer at 7820			-			
8/13/08 Perforate Cisco from 7893' – 8	060', total 140 holes. TIH	and set p	oacker at 7688'. Frac wi	th 5,040 ga	als 15% HCl + 120,372	gals Spectra Star 2500 +
167,552 # 20/40 White sand. 8/14/08 TIH with retrievable tool and I	atch onto packer. Poloace	nackor	and TOOH with packer o	and tubing	DLL wireline and perfor	ata Cisco from 7758'-7840'
228 total holes	atch onto packer. Release	е раскет с	and 1000 with packer a	ուս լսևուց.	No wheline and perior	ate cisco ironi 7750-7040 ,
8/15/08 TIH with packer and set at 758	2'. NU frac valve.					
8/16/08 Frac 7758'-8060' with 4500 gal		19,255 g	als Spectra 2500 + 106	750 # 20/4	0 100% White sand. R	D.
8/18/08 Release packer. TOOH with p	acker and tubing					
8/20/08 TIH with bailer and bailed sand						Mike Protober with OCD
9/15/08 TIH with packer and tubing. So TOOH with tubing. RIH with 3 ½" IPC to					o minutes – ok, notilied	MIKE DIALCHEI WITH OCD
1 100H with tubing. Rin with 3 ½ 1PC to	ubing and set at 6769. Inji	ection iii	e installation in progress	٠.		
14. I hereby certify that the foregoing is tr						
Name: Norvella Adams	Til	tle \$	Sr. Staff Engineering T	echnician		
Signature		ate	9/17/2008			
	CORHIS SPACE FO	OR FEE	DERAL OR STATE	OFFICE	USE	
Approved by	R. GLASS					
IPIDAVID	! ! ITit	le			Date	
SEP 2 9 2008	3 1		Acc	epted	or record	
Conditions of approval, if any are attached	d. Approval of this		,,,,,	NMO	CD	
notice does not warrant or cortify that the	applicant holds legal or					`
equitable title to those notify in the subject	l lease which would					
entitle the applicant to contuct or operation	ons-thereon. Of	fice				

DEVON ENERGY	Y PRODUCTION COMPANY LP
Vell Name: FEDERAL T #1	Field: NORTH ILLINOIS CAMP MORROW
ocation: 660' FNL & 990' FEL; SEC 12-T185-R27E	County: EDDY State: NM
levation: 3634' KB; 3618' <i>G</i> L	Spud Date: 6/28/90 Compl Date: 9/13/90
PI#: 30-015-26404 Prepared by: Norvella Adams	Date: 9/17/08 Rev:
Current Schematic L. Wolfcamp and Cisco SWD	Formation Tops Morrow 9,600-10,250' Atoka 9.230'- 9,700' Upper Wolfcamp 6,400' - 7,200'
17-1/2" Hole 13-3/8", 68#, LTC, @ 472' Cmt'd w/450 Sx. Circ to surface	Abo 5,600' - 6,200' Yeso 3,300' 0 3,900' San Andres 2,000' - 2,800' Queen 1,450' - 1,650'
12-1/4" Hole 8-5/8", J55, 32#, STC, @ 2,589' Cmt'd w/900 Sx. Circ to surface	3-1/2", 9.3 #, N80, Injection tubing @ 6789'
	5-1/2" IPC Packer @ 6,789'
<u>WOLFCAMP</u> (8/21/93) 6,868' - 7,038'	
<u>WOLFCAMP</u> (8/18/93) 7,092' - 7,097'; 7,120' - 7,146'	
<u>WOLFCAMP</u> (8/16/93) 7,330' - 7,340'; 7,350' - 7,360'	
SWD Perforations:	
<u>CISCO</u> (8/1/93) 7,685' - 7,695'	Frac 7758-7840' with 4500 gals 15% Spearhead acid and
<u>CISCO</u> (7/30/93) 7,760' - 7,768'	119,255 gals Spectra Star 2500 + 106,750 # 100% 20/40 White sand.
<u>CISCO</u> (7/28/93) 7,790' - 7,798'	जिल्लाम् । स्थापन
<u>CISCO</u> (7/25/93) 7,932' - 7,940'	Frac 7893'-8060' with 5040 gals 15% HCl acid and 120,372 gals Spectra Star 2500 + 167,552 # 100% 20/40 White sand.
<u>CISCO</u> (7/22/93) 8,034' - 8,042' 8,055' - 8,060'	35' cement. 9,005' PBD CIBP @ 9,040' (7/21/93)
4" Liner top @ 9,055' 7-7/8" Hole	
5-1/2", N80, 17#, LTC, @ 9,473' Cmt'd w/430 Sx	
<u>MORROW</u> (9/14/90) 10,008' - 10,014' 10,038' - 10,054'	CIBP @ 9,950' (7/19/93)
4-3/4" Hole 4" 10.46#, L80 Liner @ 9,055' - 10,141' Cmt'd w/80 Sx	10,100' PBD 10,141' TD



District II 1301 W. Grand Ave., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Previous Operator Information

State of New Mexico Energy, Minerals and Natural Resources

Form C-145 Permit 124456

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Change of Operator

New Operator Information

63			Effective Date:	Effective on the date of approval by the OCD
	OGRID:	6137	OGRID:	277558
5 2	Name:	DEVON ENERGY PRODUCTION COMPANY, LP		LIME ROCK RESOURCES II-A, L.P.
	Address:	20 N Broadway	Address:	1111 Bagby Street
				Suite 4600
	City, State, Zip:	Oklahoma City, OK 73102	City, State, Zip:	Houston, TX 77002
	Additionally, by	nis form and the certified list of well signing below, LIME ROCK RESO nopsis of applicable rules.		.P. certifies that it has read and understands
	Previous Opera	ator //	New Oper	rator
	Signature:	The state of the s	Signature:	C. J. Mille
	Printed		Printed	i i
	Name: David	d S. Frank	Name:	C. The Miller
	Title: David	1 S. Frank – Attorney-in-Fact	Title:	Chief Operating Officer
	Date: 12/09	Phone: (405)-552-788	81 Date:	12/17/10 Phone: 713 292 9514
		e e		
		NMOCD Appr	oval	
Lime	Rock Resour			ade Aistobea list effective 12/09/2010.
		Date: December 2		,

LIME ROCK RESOURCES II-A, L.P. certifies that all below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells are in compliance with 19.15.17 NMAC, have been closed pursuant to 19.15.17.13 NMAC, or have been retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.

LIME ROCK RESOURCES II-A, L.P. understands that the OCD's approval of this operator change:

- 1. constitutes approval of the transfer of the permit for any permitted pit, below-grade tank or closed-loop system associated with the selected wells; and
- 2. constitutes approval of the transfer of any below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells, regardless of whether the transferor has disclosed the existence of those below-grade tanks to the transferee or to the OCD, and regardless of whether the below-grade tanks are in compliance with 19.15.17 NMAC.

As the operator of record of wells in New Mexico, LIME ROCK RESOURCES II-A, L.P. agrees to the following statements:

- 1. I am responsible for ensuring that the wells and related facilities comply with applicable statutes and rules, and am responsible for all regulatory filings with the OCD. I am responsible for knowing all applicable statutes and rules, not just the rules referenced in this list. I understand that the OCD's rules are available on the OCD website under "Rules," and that the Water Quality Control Commission rules are available on the OCD website on the "Publications" page.
- 2. I understand that if I acquire wells from another operator, the OCD must approve the operator change before I begin operating those wells. See 19.15.9.9.B NMAC. I understand that if I acquire wells or facilities subject to a compliance order addressing inactive wells or environmental cleanup, before the OCD will approve the operator change it may require me to enter into an enforceable agreement to return those wells to compliance. See 19.15.9.9.C(2) NMAC.
- 3. I must file a monthly C-115 report showing production for each non-plugged well completion for which the OCD has approved an allowable and authorization to transport, and injection for each injection well. See 19.15.7.24 NMAC. I understand that the OCD may cancel my authority to transport from or inject into all the wells I operate if I fail to file C-115 reports. See 19.15.7.24.C NMAC.
- 4. I understand that New Mexico requires wells that have been inactive for certain time periods to be plugged or placed on approved temporary abandonment. See 19.15.25.8 NMAC. I understand the requirements for plugging and approved temporary abandonment in 19.15.25 NMAC. I understand that I can check my compliance with the basic requirements of 19.15.25.8 NMAC by using the "Inactive Well List" on OCD's website.
- 5. I must keep current with financial assurances for well plugging. I understand that New Mexico requires each state or fee well that has been inactive for more than two years and has not been plugged and released to be covered by a single-well financial assurance, even if the well is also covered by a blanket financial assurance and even if the well is on approved temporary abandonment status. See 19.15.8.9.C NMAC. I understand that I can check my compliance with the single-well financial assurance requirement by using the "Inactive Well Additional Financial Assurance Report" on the OCD's website.
- 6. I am responsible for reporting releases as defined by 19.15.29 NMAC. I understand the OCD will look to me as the operator of record to take corrective action for releases at my wells and related facilities, including releases that occurred before I became operator of record.
- 7. I have read 19.15.5.9 NMAC, commonly known as "Part 5.9," and understand that to be in compliance with its requirements I must have the appropriate financial assurances in place, comply with orders requiring corrective action, pay penalties assessed by the courts or agreed to by me in a settlement agreement, and not have too many wells out of compliance with the inactive well rule (19.15.25.8 NMAC). If I am in violation of Part 5.9, I may not be allowed to drill, acquire or produce any additional wells, and will not be able to obtain any new injection permits. See 19.15.16.19 NMAC, 19.15.26.8 NMAC, 19.15.9.9 NMAC and 19.15.14.10 NMAC. If I am in violation of Part 5.9 the OCD may, after notice and hearing, revoke my existing injection permits. See 19.15.26.8 NMAC.
- 8. For injection wells, I understand that I must report injection on my monthly C-115 report and must operate my wells in compliance with 19.15.26 NMAC and the terms of my injection permit. I understand that I must conduct mechanical integrity tests on my injection wells at least once every five years. See

- 19.15.26.11 NMAC. I understand that when there is a continuous one-year period of non-injection into all wells in an injection or storage project or into a saltwater disposal well or special purpose injection well, authority for that injection automatically terminates. See 19.15.26.12 NMAC. I understand that if I transfer operation of an injection well to another operator, the OCD must approve the transfer of authority to inject, and the OCD may require me to demonstrate the well's mechanical integrity prior to approving that transfer. See 19.15.26.15 NMAC.
- 9. I am responsible for providing the OCD with my current address of record and emergency contact information, and I am responsible for updating that information when it changes. See 19.15.9.8.C NMAC. I understand that I can update that information on the OCD's website under "Electronic Permitting."
- 10. If I transfer well operations to another operator, the OCD must approve the change before the new operator can begin operations. See 19.15.9.9.B NMAC. I remain responsible for the wells and related facilities and all related regulatory filings until the OCD approves the operator change. I understand that the transfer will not relieve me of responsibility or liability for any act or omission which occurred while I operated the wells and related facilities.