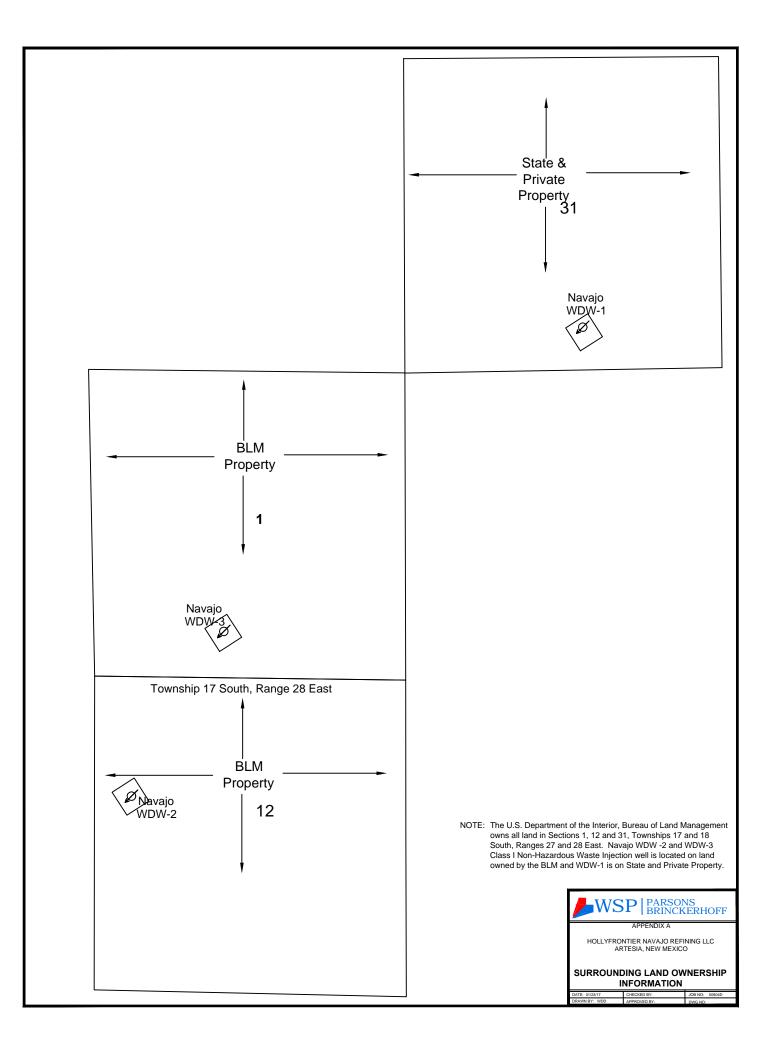
# UIC - I - 8-1, 2 & 3 WDWs-1, 2 & 3 PERMITS, RENEWALS, & MODS (12 of 18) 2017



# Surrounding Property Owners to WDW-1, WDW-2, and WDW-3 Locations

20	21	22	23	24	19	20	21	22	23	24 A
E	LOGAN D MPIF28E LFIELD	R A W 27 T 01 R 02	26 7 S 7 E	25 Lovin	30 30 Hwy	29	28 28 T 017 S R 028 E	27	26	25
32	33	34	35,45 ft	yans Rd 36	31	32 Arco Rd	33 Holt Rd	34	35	36
5	4 Little Dia	mond Rd 3	2	1	6 6 Eddy	5	4	3	2	1 Biluesien
8	9	10 T 018 R 027	11 5	12	7	8	AR 19ESIA T 018 S R 028 E	OIL F <b>1</b> ELD	11	12
17	16	15	14 Chalk Bluff Draw	13	18	Buckaroo Rd	3626 ft 16	15	14	13
20	21	22	10	CHA24 BLUF	FS 19	20	Prd 21	22	Contown 1 23	24 3500 n

January 28, 2017

Counties

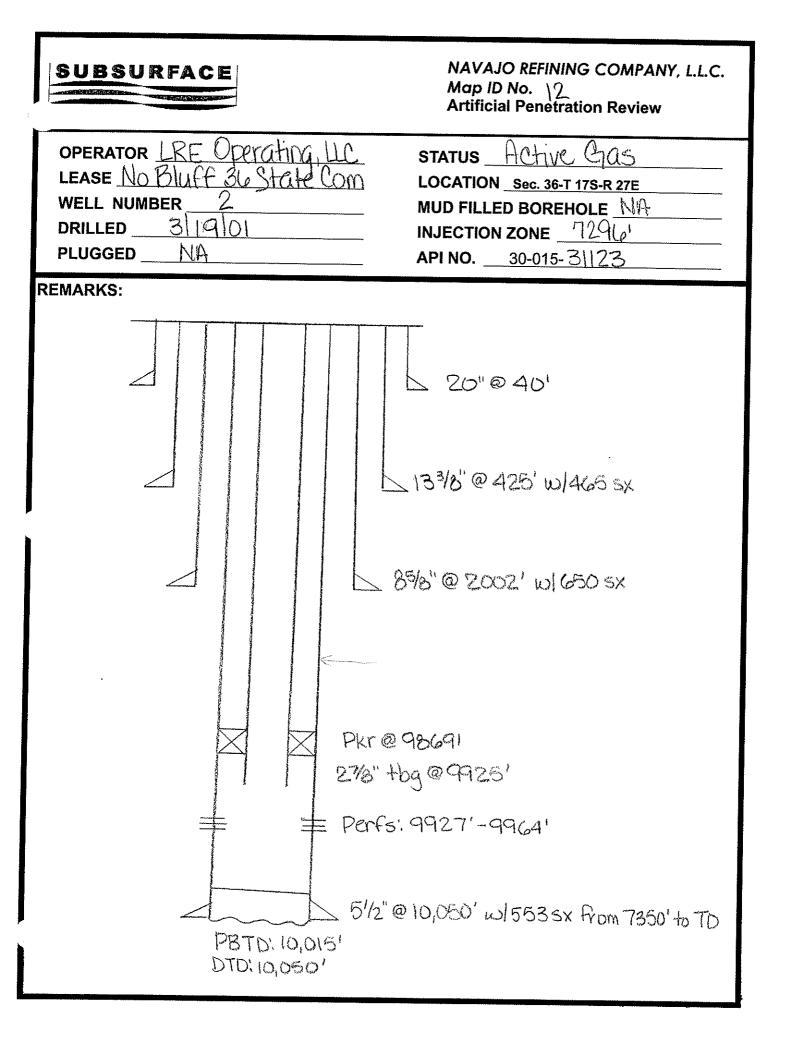
Sections

Administrative Unit Boundary

1:72,224 0.5 2 mi 0 1 0 2 4 km 1

Bureau of Land Management, Network Operations Center (NOC) Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO,

Townships



30-015-31123

Prop - 25858 Port - 78890

Geal. Tops por 1BCA

Bruers 845 Green 1040 Graybung 1372 San Anotes 1733 Glariera 3197 Tubb 4057

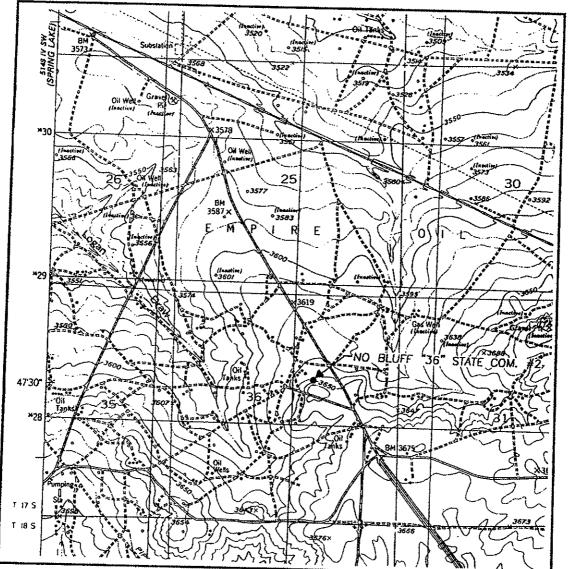
Ab 5018 Waltcomp 6735 CISCO '8237 Chinyon 8360 STRAWN 8881 Atoka 9464 Merrow 9650

COMP Z-DL/COMP NELET /GR Serf-9984

GR 1990-10013

4

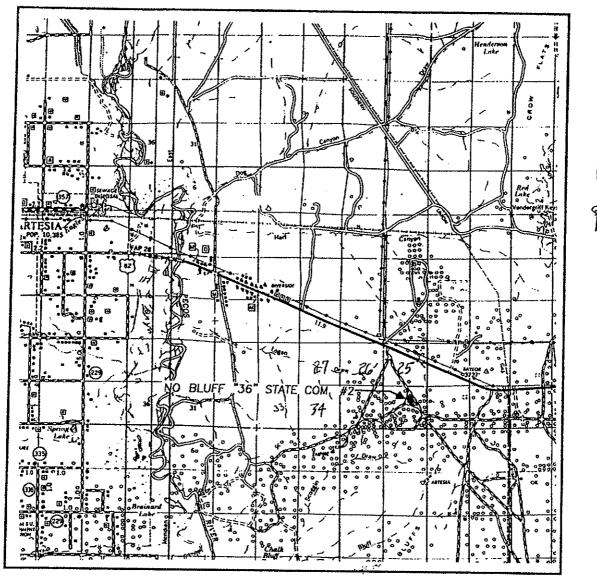
# LOCA.ION VERFICATION MAP



SCALE: 1'' = 2000'

SEC. <u>36</u> TWP. <u>17-S</u> RGE. <u>27-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>1980' FNL & 1980' FEL</u> ELEVATION <u>36.39</u> SOUTHWESTERN ENERGY PRODUCTION CO. LEASE <u>NO BLUFF "36" STATE COM.</u> U.S.G.S. TOPOGRAPHIC MAP RED LAKE, N.M. CONTOUR INTERVAL: RED LAKE, N.M. - 10'

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 VICINITY MA~



SCALE: 1'' = 2 MILES

l

SEC. <u>36</u>	TWP. <u>17-s</u> RGE. <u>27-e</u>						
SURVEY N.M.P.M.							
COUNTY	EDDY						
DESCRIPTION	1980' FNL & 1980' FEL						
ELEVATION_	3639						
	SOUTHWESTERN ENERGY PRODUCTION CO.						
LEASE NO	BLUFF "36" STATE COM.						

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 2000'-10,100' 13-5/8" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 3000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

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Any equipment failing to test satisfactorily, will be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log.

The BOP's will be maintained ready for use until drilling operations are completed. BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

#### **GENERAL DRILLING PROGRAM- Attachment to Form C-101**

Southwestern Energy Production Company- No Bluff "36" State Com. #2 1980' FNL 1980' FEL Section 36-T17S-R27E Eddy County, New Mexico

Elevation: 3639'GR

.

Proposed Total Depth: 10,100\*

Estimated Formation Tops

San Andres	1851'
Glorietta	3355'
Wolfcamp	6670'
Strawn	9030'
Morrow Clastics	9770'
Missippian	10,000

#### Casing/Cement Program

Hole Size	Casing Size/Weight/Grade	Setting Depth	Cement	Est. TOC
	20" Conductor pipe	40'	ready mix	surface
1 <b>7-1/2</b> "	13-3/8" 61# J-55 ST&C	425'	1500 sx 15:85 Poz: Class C + 0.25 pps D29+2% S1+2% D20	surface
12-1/4"	8-5/8" 32# J-55 ST&C	2000'	Lead: 1260 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29 Tail: 235 sx Class C+ 2% S1 +0.25 pps D29	surface
7-7/8"	5-1/2" 17# N-80 L'ſ&C	10,100'	860 sx 50:50 Poz: Class H + 6% D44 +2% D20+0.4% D59	8000'

#### **Drilling Fluids Program**

Depth	Mud Weight	Viscosity	Fluid Loss	Comments
0-425'	8.4-8.6	32-34	NC	spud mud
425'-2000'	9.0-9.2	28-29	NC	cut brine water, paper, caustic
2000'-9300'	8.4-9.3	28-29	NC	cut brine, caustic, paper
9300'-10,100'	9.3-9.6	34-38	<15 cc	xantham gum, starch

#### **Blowout Prevention Program- Attachment to Form C-101**

0'-425' None

425'-2000' 20" 2000# annular preventer system.

C       36       17 S       27 E       1980       NORTH       1980       EAST       EDI         Bottom Hole Location If Different From Surface         Ut or lot No.       Section       Township       Range       Lot Idn       Feet from the       North/South Hne       Feet from the       East/West Hne       Count         Dedicated Acree       Joint or Infill       Consolidation Code       Drder No.        Count       Count <td< th=""><th>DISTRICT II P.O. Drawer DD. Arto DISTRICT III 1000 Rio Brazos F DISTRICT IV P.O. BOX 2008, GANT.</th><th>Rd., Axtec, N</th><th>TM 68211-0719 MLCc, NM 67410</th><th>OIL</th><th>CON</th><th>State of New Minorals and Natural SERVATI P.O. Box 2 e, New Mexic</th><th>ON D<b>UV</b>IS</th><th>MACTOR .</th><th>Revised Februar</th><th>rict Office - 4 Copies - 3 Copies</th></td<>	DISTRICT II P.O. Drawer DD. Arto DISTRICT III 1000 Rio Brazos F DISTRICT IV P.O. BOX 2008, GANT.	Rd., Axtec, N	TM 68211-0719 MLCc, NM 67410	OIL	CON	State of New Minorals and Natural SERVATI P.O. Box 2 e, New Mexic	ON D <b>UV</b> IS	MACTOR .	Revised Februar	rict Office - 4 Copies - 3 Copies	
Property Code     NO     BLUFF     "36" STATE     Weil Number       0GRD No.     SOUTHWESTERN ENERGY PRODUCTION CO.     3639       Surface Location       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     North/South line     Feet from the     Letertion       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     NoRTH     1980     EAST     EDI       Bottom Hole Location If Different From Surface       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     NoRTH     1980     EAST     EDI       Bottom Hole Location If Different From Surface       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     Rest/West line     Court       Dedisated Acree     Joint or Infill     Consolidation Code     Order No.     OPERATOR CERTIFICATION     ////////////////////////////////////			,	WELL LC	CATION	AND ACREA	GE DEDICAT	ON PLAT	Ŷ		
NO BLUFF "36" STATE COM.     2       OGRD No.     Operator Name     Elevation       SOUTHWESTERN ENERGY PRODUCTION CO.     3639       Surface Location     Surface Location       UL or lot No.     Section       G 36     17 S       27 E     Ist idn       Bottom Hole Location If Different From Surface       UL or lot No.     Section       Bottom Hole Location If Different From Surface       UL or lot No.     Section       Dedicated Acres     Joint or Infill       Consolidation Code     Order No.       320     Order No.       36     Order No.       36     Order No.	API	Number	ber		Pool Code			COLOR DA			
OGRD No.     Operator Name     Stevenion       SOUTHWESTERN ENERGY PRODUCTION CO.       Surface Location       UL or let No.     Section       G 36     Township       Range     Let Idn       Perform the North/South line       G 36       Township       Range       Let Idn       Perform the North/South line       Perform the Internation of Different From Surface       UL or let No.       Section       Township       Range       Let Idn       Perform the North/South line       Perform the Section Township       Bate       Dottom Hole Location If Different From Surface       UL or let No.       Section Township       Bange       Let Idn       Performation or Infill       Consolidation Code       Order No.       320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED       OPERATOR CERTIFICATION       / A stoco <td cols<="" td=""><td>Property (</td><td>Code</td><td></td><td>L</td><td>NO BU</td><td></td><td></td><td></td><td></td><td>iber</td></td>	<td>Property (</td> <td>Code</td> <td></td> <td>L</td> <td>NO BU</td> <td></td> <td></td> <td></td> <td></td> <td>iber</td>	Property (	Code		L	NO BU					iber
Surface Location         UL or lot No.       Section       Township       Range       Lot Idn       Peet from the       North/South line       Peet from the       East/West line       Court         Bottom Hole Location If Different From Surface       Ut or lot No.       Section       Township       Range       Lot Idn       Peet from the       1980       EAST       EDI         Bottom Hole Location If Different From Surface       Ut or lot No.       Section       Township       Range       Lot Idn       Peet from the       Peet from the       East/West line       Court         Dedicated Acres       Joint or Infill       Consolidation Code       Order No.       Section       The Infill Consolidation Code       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION         \$30       \$30       \$30       \$30       OPERATOR CERTIFICATION       Intervine for me and complete to the best of my inscutege and belagt.         \$30       \$300       \$30       \$30       \$30       \$30       \$30         \$30       \$30       \$30       \$30       \$30       \$30       \$30         \$30       \$30       \$400       \$30	OGRIÐ No	lo.		SOUTH		Operator Nam	e		Elevatio		
G       36       17 S       27 E       1980       NORTH       1980       EAST       EDI         Bottom Hole Location If Different From Surface         UL or lot No.       Section       Township       Range       Lot Idn       Feet from the       North/South line       Feet from the       East/West line       Count         Dedicated Acres       Joint or Infill       Consolidation Code       Order No.       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNTI HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION         10       A NON-STANDARD UNTI HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION       I hareby certify the the informatic contained herein is true and complete to the best of my knowledge and being.         360'       H1       B       B       Signature       Cathy Rowan         7       Title       Title       Hay 4, 2000       Date         7       1980'       Title       May 4, 2000       Date         8       SURVEYOR CERTIFICATION       I hereby certify that the well location show	L.,			30011	. # 65 1 61						
Bottom Hole Location If Different From Surface          UL or let No.       Section       Township       Range       Lot Idn       Feet from the       Feet from the       East/West line       Count         Dedicated Acres       Joint or Infill       Consolidation Code       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION         #44	1 1			4	Lot Idn		·		East/West line	County	
UL or lot No.       Section       Township       Range       Lot Idn       Feet from the       North/South line       Feet from the       East/West line       Count         Dedicated Acres       Joint or Infill       Consolidation Code       Order No.       Order No.       State       State       State       Count       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION / hereby cartify the the informatic contained herein is true and complete to the best of my knowledge and belog.         3600'       #1       OPERATOR CERTIFICATION       Signature         37       OPERATOR CERTIFICATION       The state of the stat	G	36	6 17 S	27 E	<u></u>	1980	NORTH	1980	EAST	EDDY	
Dedicated Acres       Joint or Infill Consolidation Code       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION         MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		<b>-</b>		y	·	· · · · · · · · · · · · · · · · · · ·					
320 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION I hereby certify the the informatic contained herein is frue and complete to the best of my knowledge and belief. Signature Cathy Rowan Printed Name Drilling Technician Title May 4, 2000 Date SURVEYOR CERTIFICATION I hereby certify that the well location show	UL or lot No.	Section	tion Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION  OPERATOR CERTIFICATION  I hereby certify the the informatic contained herein is frue and complete to th best of my knowledge and belief.  Signature  Cathy Rowan  Printed Name  Drilling Technician  Title  May 4, 2000 Date  SURVEYOR CERTIFICATION  I hereby certify that the well location show	4	<ul> <li>Joint o</li> </ul>	oint or Infill Co	neolidation (	Code Ord	ter No.	<del></del>				
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION  OPERATOR CERTIFICATION  I hereby certify the the informatic contained herein is frue and complete to th best of my knowledge and belief.  Signature  Cathy Rowan  Printed Name  Drilling Technician  Title  May 4, 2000 Date  SURVEYOR CERTIFICATION  I hereby certify that the well location show	NO ALLO	WABLE W	LE WILL BE AS	SIGNED	CO THIS	COMPLETION U	NTIL ALL INTER	ESTS HAVE BE	EN CONSOLIDA	TED	
OPERATOR CERTIFICATION I hereby certify the the information contained harein is true and complete to th best of my knowledge and belief.  Signature Cathy Rowan Printed Name Drilling Technician Title May 4, 2000 Date SURVEYOR CERTIFICATION I hereby certify that the well location show											
on this plat was plotted from field notes a actual surveys made by me or under r supervison and that the some is true a correct to the best of my bolig. APRIL 19, 2000 Date Surveyed Signature & Soci/of Professional Surveyor. 00-11-0509 Contificate No. RONALD I. EDSON 323		000				1980,		I hereby contained hereby best of my know Signature Cathy Roy Printed Name	y certify the the inj i is true and comple lodge and bolief. WAN	ormation	

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listrict I 1625 N. Frenc	h Dr., Hobi	bs, NM 882	40 <sup>°</sup>	· \ E	• State o	f New Me	KICE S	HAY 2000 RECEIVED <sup>Sul</sup> CD - ARTESIA	3	Forn C-101	
District II			Ene	rgy Mineral	s and matur	ar <b>G</b> esou	NAY 2000	Rev	ice Martil 17, 1999		
811 South Fir: District III	NM 88210			Oil Cons	ervation D	N	DECEMEN Sul	omit <b>S</b> ippropr	iate District Office		
1000 Rio Braz	ztec, NM 8	7410				Ha n	CD - ARTESIA	Stat	e Lease 6 Copies		
District IV	District IV 2040 South Pacheco, Santa Fe, NM 87505 Sar						des 0		8/ **	e Lease - 5 Copies	
	APPLICATION FOR PERMIT TO DRILL, RE						14 0 1072 1	. 1	АМ 🗆 🖌	ENDED REPORT	
				70 D.D.T			52	2212020155		0 4 701	
APPLI	CATIC	ON FOR	<sup>1</sup> Operator Name	TO DRI	LL, RE-E	NTER, DI	LEPEN,	PLUGBAC	COGRID Number	D A ZONE	
		Southwe	stern Energy P		Company			148111	COAD Number		
	23		Sam Houston P	arkway Ea							
			Houston, T	<u> </u>					<sup>3</sup> API Number		
								30-015	- 3112	3	
<sup>3</sup> Proper	ty Code	T			<sup>5</sup> Property N			Ĩ	<sup>6</sup> Wel	No.	
25	858			No	Bluff "36" S				2		
	<b>,</b>		_		<sup>7</sup> Surface L	ocation					
UL or lot no.	Section	Township	Range	Lot Id	n Feet fr	om the North	South line	Feet from the	East/West line	County	
G	36	175	27E		19	80 1	North	1980	East	Eddy	
	<b>.</b>		<sup>8</sup> Proposed I	Bottom H							
UL or lot no.	Section	Township	Range	Lot Id		1	South line	Feet from the	East/West line	County	
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	<u> </u>	L					j	12 -	( ) ) A	-1	
			Proposed Pool 1					" Propo:	sed Pool 2		
		Wil	dcat (Mississippia	n)							
11 Mark 1	Type Code	I	12 Well Type Co		1) Cabl	c/Rotary	13	Lease Type Code	13 Grou	ind Level Elevation	
	V V		G	oue		R S			3639		
	uttiple		17 Proposed Dep	pth		<sup>19</sup> Contractor			<sup>20</sup> Spud Date		
1	<u>v</u>		10,100'		Missis	sippian Patterson 5/25/00 (est			5/00 (est.)		
			<sup>21</sup> ]	Proposed	Casing an	d Cement I	rogram				
Hole Si	ze	Ca	sing Size	Casing	weight/foot	Setting I	Depth	Sacks of Ce	ment	Estimated TOC	
26"			20" M	linimum	WOC tim	o / 3hrs40	,	Ready N	Aix	Surface	
17 – 9	<i>'</i> ?"	13	- 3/8"	f	51#	425	;,	1500		Surface	
12 - 3			5/8"		32#	2,00		1,495		Surface	
								860			
7 7/8		······································	5 1/2"	I	•	10,10				<del>0,000 *</del>	
t Oper	TO (	Cover	<u>all ail</u>	945	· War		0	Lones			
22 Describe	he propose	d program.	If this application	n is to DEEP	EN or PLUG B	ACK, give the d	ata on the p	resent productive a			
zone. Des	scribe the bl	lowout prev	ention program, i	if any. Use a	dditional sheets	if necessary.			CD at SPL		
									ss cementii 1811	ng the	
SEE ATTACH	MENT								10	casing.	
23 Lharaby certi	fy that the i	nformation	given above is th	ue and comp	lete to the		OILCO	DNSERVAT	ON DIVIS	<b>ION</b>	
best of my know	·. /		5	oo tala oomp	}						
	2 Lind	1 Ma	1.12								
Signature: ( 2	er pg	JUNI	(Lun				ORIGIA	AL SIGNED	BY TIM W. (		
····	$-U_{-}$					Approved by:		CT I SUPER	/isor	TDGA	
Printed name:	Cathy Re	owan					<b>NA 45 4</b>			<b>ME</b> = 0.0004	
Title: Drilling	Technician					Approval Date		0 <u>32000</u> E	xpiration Date	AY 63 2001	
Date: May 2,	2000		Phone: 28	1- 618 - 4733	3	Conditions of a	Approval:				
						Attached 🗖					

Marinal J 1865 H. French Mr., Babbs, Mit 88868

NATIONALI P.O. Deware DD, Artania, KME 80811-0718

NUMBER OF

P.O. Devene DD, Artania, XXE 88811-8711

1887 No Brenes M., Antes, 102 87410

2545 Bouth Pashese, Sonta Je, 336 \$7985

#### OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Network Resources Department

Form. C--102 Noviesd August 15, 2000 Submit is Appropriate District Office State Lease - 4 Copies For Lease - 2 Copies

XX AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 30-015-31123 <u>Wildcat (Mississippian)</u> NO BLUFF "36" STATE COM **Property** Code . Yell Number 25858 2 OCKID No. Operator Name Elevation SOUTHWESTERN ENERGY PRODUCTION CO. 148111 3634 Surface Location UL or lot No. Bection Township Range Lot Ida Feet from the North/South line East/Test line Test from the County Н 36 17 S 27 E 1980 NORTH 760 EAST EDDY Bottom Hole Location If Different From Surface UL or lot No. Section. Township Zance Lot Lin Feet from the North/South line Feet from the Mast/Wast Has County Dedicated Acres Joint or Infill Consolidation Code Order No. 320 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 660' **OPERATOR CERTIFICATION** hereby certify the the information rain ja irus and sa nation for the 860' **#**1 Hanatur **Gathy** Rowan Printed Name Sr. Engineering Tech. Title 760' March 1, 2001 **#2** Date SURVEYOR CERTIFICATION I hereby certify that the well location an on this plat was pisted from field noise of actual surveys made by ma or under my And the second s auguarvisors and that the same is true and correct to the best of muy belief. February 28, 2001 ŝ Date Surveyed M2 Signature & Seel of WESSIONAL SURFACE RECEIVED Professional Surveyor OCD - ARTESH W.O. Num. 2001-0151-S Certificate No. MACON McDONALD 12185

1625 N. French Dr., Hobbs, NM 88240       A       Energy Mine         District II       II       Oil Co         811 South First, Artesia, NM 88210       District III       Oil Co         District III       OCD - ARTICLE       Oil Co         1000 Rio Brazos Road, Aztec, NM 87410       OCD - ARTICLE       204         District IV       OCD - ARTICLE       Sar         2040 South Pacheco, Santa Fe, NM 87505       Sar						servation South Pa Fe, NM	atural Resou n Division acheco 87505		Submitte appro	Form C-101 evised March 17, 1999 priate District Office ate Lease - 6 Copies Fee Lease - 5 Copies MENDED REPORT DD A ZONE	
			<sup>1</sup> Operator Name stern Energy P	and Address	5			148111	<sup>2</sup> OGRID Numb	er	
	2350 North Sam Houston Parkway East, Suite 30 Houston, TX 77032							110111			
			Trouston 1	A 17034					<sup>3</sup> API Number		
<sup>3</sup> Proper		Ţ	****		S Property ?			30 - 015 -		ell No.	
	25858			No	Bluff "36" S					2	
		<u> </u>			<sup>7</sup> Surface I		1				
ULorlotno.	Section 36	Township	Range	Lot h			North/South line	Feet from the	East/West line	County	
<u> </u>		8	Proposed 1			on If Di	North fferent Fron	760	East	Eddy	
UL or lot no.	Section	Township	Range	Lot Id	1	I	North/South line	Feet from the	East 201 and 10		
				Lorn		Jan vae	North Sodiul nate	reet nom me	East/West line	County	
	<sup>°</sup> Proposed Poot 1							<sup>10</sup> Pro	posed Pool 2		
		Wild	cat (Mississippia	n)							
Work T	ype Code	<u> </u>	<sup>12</sup> Weil Type Co	da T	11 Cabl	Rotary	15		L 15 -		
י	1		G		]	R S		" Gro	und Level Elevation 3634		
16 Mu N			" Proposed Dep 10,050'	oth		ormation <sup>19</sup> Contractor ssippian UTI		04/	<sup>20</sup> Spud Date 04/01/01 (est.)		
				roposed	Casing an		nt Program	011		01/01 (est.)	
Hole Siz	æ	Casi	ing Size		weight/foot		ng Depth	Sacks of	Cement	Estimated TOC	
26"		2	20"			40'		Ready		Surface	
17-1/	2 <b>**</b>	13 -	- 3/8"	e	51#	425'		150		Surface	
12 – 1/2	4,37	8	5/8"	3	32#	2,	,000'	1,495		Surface	
7 7/8	••	5	1⁄2"	1	7#	10	,100'	86	0	8,000'	
	cribe the bl	owout preve	ntion program, i	fany. Use a	dditional sheets	if necessary	<i>i.</i>	esent productivi	e zone and propose	d new productive	
23 1 hereby certif	y that the ir	formation g	iven above is tru	e ar.d compl	lete to the		OIL CO	NSERVAT	FION DIVIS	ON	
best of my know	· /		~					-h			
Signature:	Hiy 4	auc	i-	·····		·····	/.	<i>90</i> 0			
	11		·····	<u></u>		Approved b	by: ORIGI	VAL SIGNE	D BY TIM W	GUM	
Printed name:	Cathy Ro							CT'H SUP			
Title: Sr. Engin		inician	T			Approval I	Date MAR - 8	2081	Expiration Distant	2 - 8 2962	
Date: March I	. 2001		Phone: 281	- 618 - 4733		Conditions of Approval: Attached					

#### **GENERAL DRILLING PROGRAM- Attachment to Form C-101**

Southwestern Energy Production Company- No Bluff "36" State Com. #2 1980' FNL 760' FEL Section 36-T17S-R27E Eddy County, New Mexico

Elevation: 3630' GR

.

Proposed Total Depth: 10,100'

Estimated Formation Tops

Yates	320'
7 Rivers	460'
Queen	1000'
Grayburg	1300'
San Andres 'D'	1784'
Glorieta	3160'
Wolfcamp	6470'
Strawn	8870'
Atoka	9430'
Morrow Lime	9544'
Morrow Clastics	9724'
Missippian	10,040'

#### Casing/Cement Program

1900'-9300'

9300'-10.050'

<u>Hole Size</u>	Casing Size/Weight/Grade	Setting Depth	Cement		Est. TOC
	20" Conductor pipe	40'	ready mix		surface
17-1/2"	13-3/8" 61# J-55 ST&C	425'	550 sx 15:85 Poz: Class C + 0.25 pps D29+2% S1+2% D20		surface
12-1/4"	8-5/8" 32# J-55 ST&C	1900'	Lead:700 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29 Tail: 235 sx Class C+ 2% S1 +0.25 pps D29		surface
7-7/8"	5-1/2" 17# N-80 LT&C	10,050'	860 sx 50:50 Pc D44 +2% D20+	oz: Class H + 6% 0.4% D59	8000'
Drilling Flu	ids Program				
Depth	Mud Weight	Viscosity	Fluid Loss	Comments	
0-425'	8.4-8.6	32-34	NC	spud mud	
425'-1900'	9.0-9.2	28-29	NC	cut brine water,pape	er,caustic

NC

<15 cc

cut brine,caustic,paper

xantham gum, starch

Blowout Prevention Program- Attachment to Form C-101

28-29

34-38

8.4-9.3

9.3-9.6

Submit 3 Copies To Appropriate District Office <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 2040 South Pacheco, Santa Fe, NM 87505	Energy, Minera OIL CONSEF 2040 S		ural Resources N DIVISION heco	WELL API NO. 30-01 5. Indicate Type STATE 6. State Oil & O	of Lease	
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) 1. Type of Well:	ATION FOR PERMIT" (FO	EPEN OR PL	UG BACK-TO A	<ol> <li>Lease Name of Name:</li> <li>No Bluff "36" Sta</li> </ol>	or Unit Agreement te Com	
Oil Well X Gas Well 2. Name of Operator	Other			8. Well No. 2		
Southwestern Energy Production Co	mpany /		RECEIVED	· · · · · · · · · · · · · · · · · · ·		
3. Address of Operator		0	CD · ARTESIA	.8. Pool name or	Wildoot	
2350 N. Sam Houston Parkway East	Suite 300 - Houston	TX 77032	CONTESTA S	Wildcat (Mississip		
4. Well Location	, outo 500 Tiouston,	1/1/1/054		/ Wildcar (Wilssissip	pian)	
			and the second			
Unit Letter H :	1980 feet from the		line and 760	Frank Frank Mar	Y	
	<u>1700</u> (cet itom a	IC IN	11110-2010 /00	feet from the	<u>E</u> line	
Section 36	Township	17S Rar	nge 27E	NMPM Eddy	County	
	10. Elevation (Show			)		
	3634' GR			<i>`</i>		
11. Check Ap	propriate Box to In	ndicate Na	ature of Notice. F	Report or Other I	Data	
NOTICE OF INT	ENTION TO:			SEQUENT REF		
PERFORM REMEDIAL WORK		N	REMEDIAL WORK		ALTERING CASING	
				•		
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRIL	LING OPNS. 🗖	PLUG AND	
PULL OR ALTER CASING	MULTIPLE		CASING TEST AN	D 🕅	ABANDONMENT	
······································	COMPLETION		CEMENT JOB			
OTHER:			OTHER:			
12 Describe proposed or completer	Innarations (Clearly)	stata all non	timent details and ai		.1.1	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

#### 03/19/01 thru 03/20/01

Set 20" conductor to 40'. Cmt to surf w/ready mix. Spud @ 9:00 CST on 03/19/01. Drl to 425'. Run 10 jts -13-3/8" 48#, H-40 csg to 425'. Cmt w/465 sx Class C + 2% S1 + 0.25 pps D29. Circ to surf. WOC 18 hrs. Tst csg. OK.

I hereby certify that the information above is true and comple	te to the b	est of my knowledge a	nd belief.		
SIGNATURE / IMMIN & UM	TITLE	Drilling Technician		DATE	03/21/01
Type or print name Vonnie J. Cermin			Telephone No.	281-618-473	9
(This space for State is ORIGINAL SIGNED BY THI W. C APPPROVED BY	WM			APR	2 5 2901
APPPROVED BY	TITLE			DATE	
Conditions of approval, if any:					

Submit 3 Copies To Appropriate District Office <u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 2040 South Pacheco. Santa Fe, NM 87505	Energy, Minera OIL CONSE 2040		nural Resources N DIVISION Checo	WELL API NO. 30-015-31123 5. Indicate Type of STATE 5 6. State Oil & G	FEE	
SUNDRY NOTION (DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) 1. Type of Well: Oil Well X Gas Well	CES AND REPORTS ALS TO DRILL OR TO DE ATION FOR PERMIT" (FO	EFPEN OR PI	LIG BACK TO A	<ol> <li>Lease Name o Name:</li> <li>No Bluff "36" Stat</li> </ol>		
<ol> <li>Name of Operator</li> <li>Southwestern Energy Production Co</li> <li>Address of Operator</li> </ol>	ompany 1			<ol> <li>8. Well No. 2</li> <li>8. Pool name or V</li> </ol>	X/11 1 /	
2350 N. Sam Houston Parkway East 4. Well Location Unit Letter <u>H</u> :				Wildcat (Mississip)	pian)	
	Township 10. Elevation (Show 3634' GR	17S Rat whether D	nge 27E R, RKB, RT, GR, etc.,	NMPM Eddy	County	
11. Check Ap	propriate Box to In	ndicate Na	ature of Notice, R	leport or Other D	ata	
	ENTION TO:			EQUENT REP		s 🗆
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRIL	LING OPNS.	PLUG AND	,
	MULTIPLE COMPLETION		CASING TEST AND CEMENT JOB	р П	ABANDONMENT	
OTHER:			OTHER: Completio	n		N
12. Describe proposed or completed	operations. (Clearly s	state all per	inent details, and giv	e pertinent dates, in	cluding estimated d	ate

of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

04/19/01 thru 04/28/01.

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MI RU CU. Drl cmt.	. Tag TD. Corrected TD - 10,01	5'. Perf. L. Morrow from 9,927' -	9.964'. Swab. RD		
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				ANTEON.	(نيم

			1.1.14	ANTESIA SI
I hereby certify that the info	mation above is true and complete to the b	est of my knowledge and belief.		
SIGNATURE	fletch TITLE	Sr. Engineering Technician	DATE	05/21/01
Type or print name Cathy			Telephone No.	
(This space for State use)	ORIGINAL SIGNED BY TIM W. GUN DISTRICT II SUPERVISER			L 0 5 2001
APPPROVED BY Conditions of approval, if an	TITLE y:		DATE_	

Submit 3 Copies To Appropriate District Office <u>District [</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 2040 South Pacheco, Santa Fe, NM 87505	Energy, Minerals OIL CONSER 2040 S		Iral Resources	5. Indicate Type STATE	Form C-103 Form C-103 5 - 3//2 3 of Lease $\overline{X}$ FEE Gas Lease No.
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) 1. Type of Well:	ATION FOR PERMIT" (FOR	EPEN OR PL	UG BACK TO A	<ol> <li>Lease Name Name:</li> <li>No Bluff "36" State</li> </ol>	or Unit Agreement ate Com
Oil Well X Gas Well 2. Name of Operator Southwestern Energy Production Co 3. Address of Operator 2350 N. Sam Houston Parkway Eas	· · · · · · · · · · · · · · · · · · ·	TX 77032	RECEIVED OCD ARIES	8. Well No. 2 8. Pool name or Wildicat (Mississi	Wildcat
4. Well Location Unit LetterH:_	1980 feet from the	e <u>N</u>	line and760	feet from the	· · · ·
Section 36	Township 1 10. Elevation (Show y 3634' GR			NMPM Eddy )	County
	ppropriate Box to In FENTION TO:			SEQUENT RE	
	CHANGE PLANS				
PULL OR ALTER CASING	MULTIPLE COMPLETION	Li	CASING TEST AN CEMENT JOB		_
OTHER:	A		OTHER:		

 Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

#### 03/21/01 thru 03/23/01

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Drl to 2002'. Run 45 jts -8-5/8" 32#, J-55 csg to 2002'. Cmt lead w/500 sx 35/65 Poz "C" + 5% D44 BWOW + 6% D20 + 0.25 PPS D29. Cmt tail w/150 sx Class "C" + 2% S1 + 0.25 pps D29. Circ to surf. WOC 18 hrs. Tst csg. OK.

I hereby certify that the information above is true and complete to the b	est of my knowledge and belief.		
SIGNATURE / Myre Cen TITLE	Drilling Technician	DATE	03/27/01
Type or print name Vonnie J. Cermin	Telephone No.	281-618-473	19
(This space for State use) APPPROVED BY ORIGINAL SIGNED BY THE MANNEL BISTRICT II SUPERVISOR		APR 	2 <b>5 2001</b>

Submit 3 Copies To Appropriate District Office <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	State	of New M als and Nat		WELL API NO.	Form C Revised March 25	
District II 811 South First, Artesia, NM 88210	OIL CONSE	RVATIO	30-015-31123			
District III 1000 Rio Brazos Rd., Aztec, NM 87410		South Pac		5. Indicate Type STATE	of Lease	
District IV 2040 South Pacheco, Santa Fe, NM 87505	Santa	Fe, NM 8	7505		Gas Lease No.	
SUNDRY NOT (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLI PROPOSALS.) 1. Type of Well: Oil Well X Gas Well	ICES AND REPORTS SALS TO DRILL OR TO D CATION FOR PERMIT" (FO	EEPEN OR PI	LIG BACK TO A	<ol> <li>Lease Name Name:</li> <li>No Bluff "36" St.</li> </ol>	or Unit Agreement ate Com	
2. Name of Operator				8. Well No. 2	2	
Southwestern Energy Production C 3. Address of Operator	ompany			0		
2350 N. Sam Houston Parkway Ea. 4. Well Location	st, Suite 300 Houston	n, TX 77032	!	8. Pool name or Wildcat (Mississi		
Unit Letter <u>H</u> :	<u>1980</u> feet from t	the <u>N</u>	line and 760	feet from the _	<u> </u>	
Section 36	Township 10. Elevation (Show		nge 27E	NMPM Eddy	County	
stien biring	3634' GR					
	ppropriate Box to I TENTION TO: PLUG AND ABANDO			SEQUENT RE		G 🗆
	CHANGE PLANS		COMMENCE DRIL	LING OPNS.	PLUG AND	
PULL OR ALTER CASING	MULTIPLE COMPLETION		CASING TEST AN CEMENT JOB	D 🖸	ABANDONMENT	
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<ol> <li>Describe proposed or complete of starting any proposed work). or recompletion.</li> </ol>	d operations. (Clearly SEE RULE 1103. Fo	state all per r Multiple C	tinent details, and gi completions: Attach	ve pertinent dates, wellbore diagram	including estimated d of proposed completion	late on
03/23/01 thru 04/16/01						
Drl to 10,050'. Log. Run SW Cores BWOW + 6% D20 + .1 PPS D130.	. Run 232 jts -5 1/2" Calc. TOC @ 7,350'.	17#, N-80 c Release rig	sg to 10,050'. Cmt v @ 2100 CST on 4/10	w/553 sx 35/65 Po 5/01. WOCU.	z "C" + 5% D44	,
					020212222	
				1	4	12522
				.8171	OCD - ARTESIA	627282930J
I hereby certify that the information	bove is true and comp	lete to the b	est of my knowledge	and belief.	The same it	
SIGNATURE / //////////////////////////////////	uli-	TITLE	Sr. Engineering Te		DATE 05/21/	
(This space for State used)			188	1 eleph	none No. 281-618-47	33

	THEE OIL Engineering reclimician	DATE	03/21/01
Type or print name Cathy	Rowan	Telephone No.	281-618-4733
(This space for State use) APPPROVED BY	ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVIGOR TITLE	DATE	JUL 0 5 2001
Conditions of approval, if a	ny:	DATE_	

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<u>District I</u> 1625 N. Fren District II	ich Dr., Hobl	os, NM 88240	,	Sta Energy, Mi	ite of Ne nerals &	w Mexic Natural H	:0 Resources	6	√ 0. <sup>⊥</sup>	Form C Revised March 25,
811 South Fi District III		NM 88210	2	OIL CON	40 South	h Pacheco	0	Si	ubinit to Ap	propriate District C 5 Co
District IV	-	ia Fe, NM 87410		Sai	nta Fe. N	IM 8750:	5			AMENDED REP
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		- `	Operator n	ame and Address	i				<sup>2</sup> OGRID	
224				y Productio	-	•			148	
	API Number	I ROUSION I	Parkway I	East, Suite 3	<sup>5</sup> Pool Name				<sup>3</sup> Reason for N	W
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il or lot no. I	Section 36	Township 17S	Range	Lot.ldn	Feet from th		orth/South Line	Feet from the	East/West ]	ine County
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		ransporter	 .c							
<sup>38</sup> Transpor OGRIĐ	rter		Transporter ! and Addres			<sup>10</sup> POD	<sup>28</sup> O/G		n POD ULST	
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Weil C	ompletic	on Data	eady Date	1	<sup>27</sup> TD		<sup>18</sup> PBTD	rescription <sup>39</sup> Perfora	ations	A B CEIVED B ARTESIA
<sup>13</sup> I Well C <sup>25</sup> Spud 3/19/	POD Completic Date 101	on Data	/28/01	1	<sup>37</sup> TD 0,050'		<sup>28</sup> PBTD 10,015'	Perfor 9.927'	ations	
<sup>13</sup> I Well C <sup>25</sup> Spud 3/19/	POD Completic Date 401 31 Hole Size	on Data	/28/01	1 Casing & Tubing S	<sup>37</sup> TD 0,050'		<sup>28</sup> PBTD 10,015' <sup>33</sup> Depth Se	Perfor 9.927'	ations 9,964'	<sup>30</sup> DHC, MC Szeks Cement
<sup>13</sup> I Well C <sup>25</sup> Spud 3/19/	POD Completic Date 101	on Data	/28/01	1 Casing & Tubing S 13 3/8", 61#	<sup>37</sup> TD 0,050'		<sup>18</sup> PBTD 10,015' <sup>33</sup> Depth Se 425'	Perfor 9.927'	ations 9,964'	<sup>50</sup> DHC, MC Sacks Cement 465
<sup>13</sup> I Well C <sup>25</sup> Spud 3/19/	POD Completic Date 701 <sup>31</sup> Hole Size 17 %"	on Data	/28/01	1 Casing & Tubing S	<sup>37</sup> TD 0,050'		<sup>28</sup> PBTD 10,015' <sup>33</sup> Depth Se	Perfor 9.927'	ations 9,964'	<sup>30</sup> DHC, MC Sacks Cement 465 650
<sup>33</sup> F Well C <sup>33</sup> Spud 3/19/	POD Completic Date (01 S <sup>11</sup> Hole Size 17 1/2" 12 1/2" 7 7/8"	on Data	/28/01	1 Casing & Tubing S 13 3/8", 61# 8 5/8", 32#	<sup>37</sup> TD 0,050'		<sup>28</sup> PBTD 10,015' <sup>23</sup> Depth Se 425' 2,002'	Perfor 9.927'	ations 9,964'	<sup>50</sup> DHC, MC Sacks Cement 465
Well C <sup>35</sup> Spud 3/19/	POD Completic Date 401 31 Hole Size 17 1/2" 12 1/2" 7 7/8" Cest Data	on Data <sup>2° R</sup> 4	<sup>1/</sup> 28/01	1 Casing & Tubing S 13 3/8", 61# 8 5/8", 32# 5 ½", 17#	<sup>37</sup> TD 0,050'		<sup>28</sup> PBTD 10,015' <sup>33</sup> Depth Se 425' 2,002' 10,050'	Perfor 9.927'	ations 9,964'	<sup>30</sup> DHC, MC Sacks Cement 465 650
<sup>33</sup> g Well C <sup>25</sup> Spud 3/19/ Well T <sup>35</sup> Date Ne	POD Completic Date 401 31 Hole Size 17 1/2" 12 1/2" 7 7/8" Cest Data	on Data <sup>26</sup> R 4 	/28/01	1 asing & Tubing S 13 3/8", 614 8 5/8", 32# 5 ½", 17# 2 7/8" TBG	17 TD 0,050' Size		<sup>18</sup> PBTD 10,015' <sup>33</sup> Depth Se 425' 2,002' 10,050' 9,925' st Length	rescription <sup>19</sup> Perform 9.927 <sup>2</sup> - 1 8	ations 9,964'	<sup>30</sup> DHC, MC Sacks Cement 465 650
<sup>33</sup> g Well C <sup>35</sup> Spud 3/19/	POD Completic Date 401 31 Hole Size 17 1/4" 12 1/4" 7 7/8" Cest Data w Oil	on Data <sup>26</sup> R 4 3 <sup>6</sup> Gas Delk 5/17.	/28/01 32 C very Date /01	1 2asing & Tubing S 13 3/8", 614 8 5/8", 32# 5 ½", 17# 2 7/8" TBG 37 Test 1 5/19/	27 TD 0,050' Size Date 01		<sup>28</sup> PBTD 10,015' <sup>33</sup> Depth Se 425' 2,002' 10,050' 9,925' st Length 4 HRS	<sup>19</sup> Perform 9.927 <sup>2</sup>	ations 9,964'	<sup>30</sup> DHC, MC Sacks Cement 465 650 553 <sup>40</sup> Csg. Pressure 0
<sup>33</sup> g Well C <sup>25</sup> Spud 3/19/ Well T <sup>35</sup> Date Ne	POD           Completic           Date           701           31 Hole Size           17 ½"           12 ½"           7 7/8"           Cest Data           w Oil           Size	on Data <sup>26</sup> R 4 	/28/01 32 C	1 asing & Tubing S 13 3/8", 614 8 5/8", 32# 5 ½", 17# 2 7/8" TBG	27 TD 0,050' Size Date 01	<sup>16</sup> Te: 22	<sup>18</sup> PBTD 10,015' <sup>33</sup> Depth Se 425' 2,002' 10,050' 9,925' st Length	Pescription <sup>39</sup> Perfor 9.927	ations 9,964'	<sup>30</sup> DHC, MC Szeks Cement 465 650 553 *** Csg. Pressure 0 ** Test Method
Well C <sup>25</sup> Spud 3/19/ . Well T <sup>35</sup> Date Ne r/a <sup>41</sup> Choke open hereby certify	POD Completic Date 401 31 Hole Size 17 1/2" 7 7/8" Cest Data w Olt Size that the rules o	on Data <sup>26</sup> R 4 <sup>36</sup> Gas Deli 5/17 <sup>10</sup> C 0 f the Oil Conser	/28/01 JE C Very Date /01 Dil Vation Division	1 2asing & Tubing S 13 3/8", 61# 8 5/8", 32# 5 ½", 17# 2 7/8" TBG <sup>37</sup> Test 1 5/19/1 <sup>33</sup> Wai 9 base been compli	27 TD 0,050' Size Date 01 ter ed with	<sup>14</sup> Te: 24 25(	<ul> <li><sup>18</sup> PBTD 10,015'</li> <li><sup>39</sup> Depth Se 425'</li> <li>2,002'</li> <li>10,050'</li> <li>9,925'</li> <li>st Length</li> <li>4 HRS</li> <li><sup>44</sup> Gas</li> <li>0 MCF</li> </ul>	<sup>39</sup> Perform 9.927'	ations 9,964'	<sup>30</sup> DHC, MC Szeks Cement 465 650 553 <sup>10</sup> Csg. Pressure 0 " Test Method F
Well C <sup>25</sup> Spud 3/19/ . Well T <sup>35</sup> Date Ne r/a <sup>41</sup> Choke open hereby certify: that the inform	POD Completic Date 401 31 Hole Size 17 1/2" 7 7/8" Cest Data w Olt Size that the rules o	on Data <sup>26</sup> R 4 <sup>36</sup> Gas Deli 5/17 <sup>10</sup> C 0 f the Oil Conser	/28/01 JE C Very Date /01 Dil Vation Division	1 Casing & Tubing S 13 3/8", 614 8 5/8", 32# 5 %", 17# 2 7/8" TBG 37 Test 1 5/19/1 43 Wai 0	27 TD 0,050' Size Date 01 ter ed with	<sup>16</sup> Te: 22	<sup>14</sup> PBTD 10,015' <sup>33</sup> Depth Se 425' 2,002' 10,050' 9,925' st Length 4 HRS <sup>4</sup> Gas 0 MCF OIL CO	Pescription <sup>19</sup> Perform 9.927 <sup>2</sup> - 1 t <sup>39</sup> Tbg. Pri 4 <sup>39</sup> Tbg. Pri 4 <sup>39</sup> AC	ations 9,964' 7 ressure DF	<sup>30</sup> DHC, MC Sacks Cement 465 650 553 <sup>40</sup> Csg. Pressure 0 <sup>47</sup> Test Method F [SION
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#### Arrant, Bryan

From:	Arrant, Bryan
Sent:	Monday, July 15, 2002 1:37 PM
To:	Jones, William V
Cc:	Gum, Tim
Subject:	RE: No Bluff "36" State Com Well No. 2 API: 30-015-31123

Will,

I briefly looked into the area surrounding the Bluff 36 State Com. #2 well and I see that there is Abo production immediately to the south of this well.

The operator should had brought cement to cover the Abo. As you indicated with operators permitting Glorieta-Yeso wells in this area, possibly cement up though these formations also. Once you issue an order, we will take steps and have SW Energy perf and squeeze their production casing to meet OCD requirements. If you have other plans or concerns, please advice.

Bryan

#### -----Original Message-----

 From:
 Jones, William V

 Sent:
 Thursday, July 11, 2002 8:50 AM

 To:
 Gum, Tim

 Cc:
 Arrant, Bryan; Catanach, David

 Subject:
 No Bluff "36" State Com Well No. 2 API: 30-015-31123

Hello Tim:

I thought I would send an email with all the facts as I have found them:

This well was drilled and 5.5 inch set to 10050' (to the Mississippian) on 4/16/01. They only used 553 sx of cement and calc cement top at 7,350'. Many operators in this area to this depth have used 2 stage tools and cemented 2000 sacks total in 3 stages. I see OCD instructions in the file 5/3/2000 for the operator (Southwestern Energy Production Company) to "cover all oil, gas, and water bearing zones".

I think there are other productive zones. For instance, the Jeffers 36 St #003 (api: 30-015-31541) and other wells have been permitted to 4000' in this area with the Glorieta or SA as the objective. There is also some 500' shallow Yates production that is played out already.

#### The reason I found this:

I am looking at an SWD application from Mack Energy. They have drilled a new well and want to complete the Beech Federal #003 for SWD in the Abo at 5000'. The No Bluff 36 State Com #2 is in the Area of Review with cement top below the Abo.

Please let me know what action you will take on this - so I can determine how to proceed with Mack's application.

1

Regards,

Will Jones

State Lease - 6 co				State of New					5	For	
Fee Lease - 5 cop District 1	vies	l	Energy,	Minerals and N	latural H	Resources	WEIT	Revised March WELL API NO. 30-015-31123			
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	co, Santa Fe, NM 87			Santa Fe, NM						<u></u> -	
		ON OR REC	COMPL	ETION REPO	RT AN	DLOG					
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### **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 deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 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 FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	m New Mexico	Northwestern New Mexico			
T. Anhy	T. Canyon 8350	T. Ojo Alamo	T. Penn. "B"		
T. Salt	T. Strawn8881	T. Kirtland-Fruitland	T. Penn. "C"		
B. Salt	T. Atoka 9464	T. Pictured Cliffs	T. Penn. "D"		
T. Yates	T. Miss	T. Cliff House	T. Leadville		
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison		
T. Queen	T. Silurian	T. Point Lookout	T. Elbert		
T. Grayburg	T. Montoya	T. Mancos	T. McCracken		
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte		
T. Glorieta3199	Т. МсКее	Base Greenhorn	T. Granite		
T. Paddock	T. Ellenburger	T. Dakota	T		
T. Blinebry	T. Gr. Wash	T. Morrison	T.		
T.Tubb4059	T. Delaware Sand	T.Todilto	- T -		
T. Drinkard	T. Bone Springs	T. Entrada	- <u>T.</u>		
T. Abo5018	Т	T. Wingate	- T. ·		
T. Wolfcamp6740	Т	T. Chinle	Т.		
T. Penn	Τ	T. Permian	T.		
T. Cisco (Bough C)8242	Т	T. Penn "A"	Τ.		
			OIL OR GAS		

SANDS OR ZONES

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#### IMPORTANT WATER SANDS

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

#### No. 3, from.....feet.....

#### LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Inickness In Feet	Lithology	From	То		Lithology
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Deviation surveys taken on Southwestern Energy Production Company's No Bluff "36" State Com #2 well in Eddy County, New Mexico:

DepthDegree1901.00302.753951.00492.75765.501042.751319.751645.7519501.0021662.0022561.5024121.7525971.7527842.0030842.0033722.0038392.0042102.2543032.7543652.5045213.0046142.7547072.5047982.7548913.0051332.7552273.0054143.0056622.7558223.0060633.0063742.5064692.7568071.5072402.0074502.2577412.2579862.7581402.0088491.50							
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0042 (L50)							
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9098	1.00
9501	.50
9870	1.75

I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.

Patterson-UTI Drilling Co., LP, LLLP

Before me, the undersigned authority, on this day personally appeared John W. Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.

John W. Norton

SWORN AND SUBSCRIBED TO before me this 21st day of May 2001.



Notary Public in and IO

Lubbock County, Texas.

#### C104AReport

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Page 1 of 1

District.I 1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720 District II 1301 W. Grand Avo., 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 76583

-

#### **Change of Operator**

Previous Operator Information		New Operator Information			
		Effective Date:	8/15/2008		
OGRID:	148111	OGRID:	255333		
Name:	SOUTHWESTERN ENERGY PRODUCTION COMPANY	Name:	LIME ROCK RESOURCES A, L.P.		
Address:	2350 N. SAM HOUSTON PKWY E	Address:	1111 BAGBY STREET		
Address:	SUITE 300	Address:	SUITE 4600		
City, State, Zip:	HOUSTON, TX 77032	City, State, Zip:	HOUSTON, TX 77062		

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.

Previou	is Operator	New Ope	rator
Signatu	ie: 1/ Worke	Signature	: <u>C. 1-: Mill-</u>
Printed Name:	Jim Dewbre	Printed Name:	C. Tim Alillan
Title:	VP.LAND .	Title:	Vice President - Opennin S
Date:	10/29 08 Phone: 281.618.4711	Date:	10/19/00 Phone: 713 292.9514

NMOCD Approval
Electronic Signature: Paul Kautz, District 1
Electronic Signature: Jane Prouty, District 2
Date: October 29, 2008

http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/C104A/C104AReport.aspx?... 10/29/2008 . . . . . . . . . .

#### ChangeOp Comments

OGRID: [148111] SOUTHWESTERN ENERGY PRODUCTION COMPANY Permit Number: 76583 Permit Type: ChangeOp

`

Created By	Comment	Comment Date
DPHILLIPS	I show a bond in your Financial Assurance report that requires bonding - 30-015-31552. I cannot approve the change of operator until bonding for this well is received. Questions? Call me 478-3481.	10/9/2008
DMULL	The form C-145 that is attached is the wrong one. The Permit number that is required to be signed and attached should be 78583, and not 80182. Please send the correct, signed permit number 78583 and then resubmit. If you have questions on this matter, please call Donna Muli (575) 393-8161 ext 115.	10/23/2008

Form C-145

August 1, 2011

Permit 140504

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

# **Change of Operator**

Previous Operator Information		New Operator Information			
		Effective Date:	Effective on the date of approval by the OCD		
OGRID:	255333	OGRID:	281994		
Name:	LIME ROCK RESOURCES A, L.P.	Name:	LRE OPERATING, LLC		
Address:	ddress: 1111 Bagby Street		1111 Bagby		
	Suite 4600	_	Suite 4600		
City, State, Zip:	Houston, TX 77002	_City, State, Zip:	Houston, TX 77002		

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.

Additionally, by signing below, LRE OPERATING, LLC certifies that it has read and understands the following synopsis of applicable rules.

PREVIOUS OPERATOR certifies that all below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells being transferred are either (1) in compliance with 19.15.17 NMAC, (2) have been closed pursuant to 19.15.17.13 NMAC or (3) have been retrofitted to comply with Paragraphs 1 through 4 of 19.15.17.11(I) NMAC.

LRE OPERATING, LLC understands that the OCD's approval of this operator change:

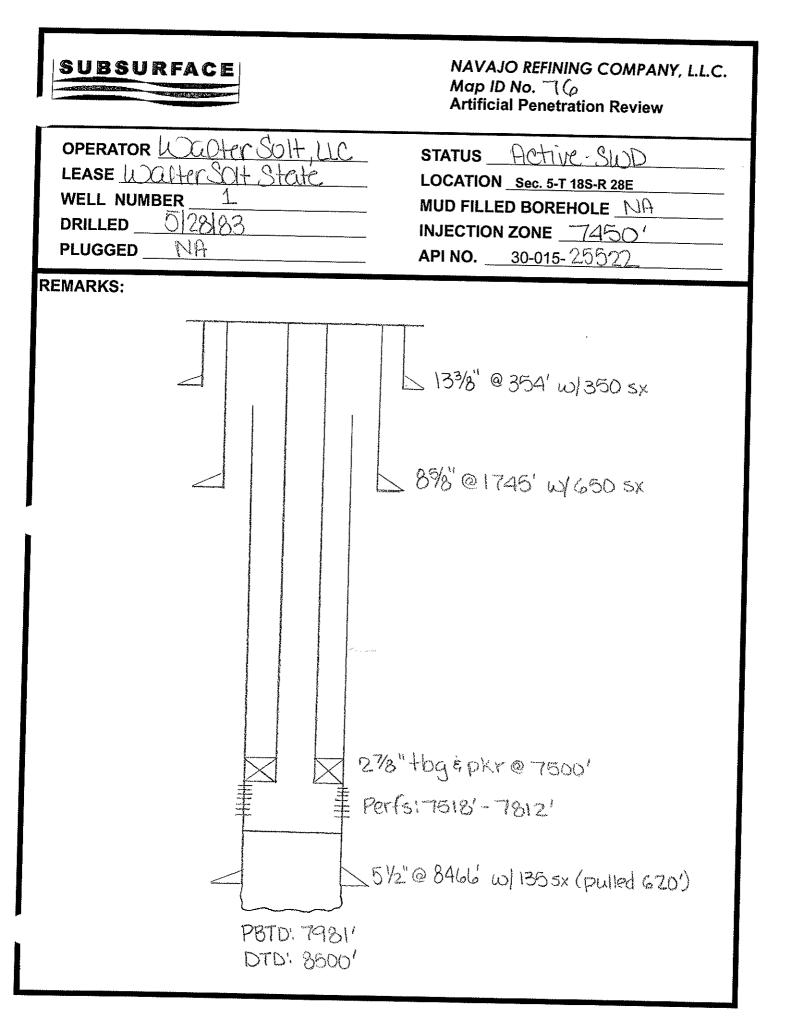
- 1. constitutes approval of the transfer of the permit for any permitted pit, below-grade tank or closedloop system associated with the selected wells; and
- constitutes approval of the transfer of any below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells, 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.

http://www.emnrd.state.nm.us/ocd/OCDPermitting/Report/C104A/C104AReport.aspx?Per... 12/1/2011

As the operator of record of wells in New Mexico, LRE OPERATING, LLC agrees to the following statements:

- 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.

http://www.emnrd.state.nm.us/ocd/OCDPermitting/Report/C104A/C104AReport.aspx?Per... 12/1/2011



## State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

John H. Bemis Cabinet Secretary

Brett F. Woods, Ph.D. Deputy Cabinet Secretary Jami Bailey Division Director Oil Conservation Division



Administrative Order SWD-318-A March 28, 2012

#### ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of 19.15.26.8B NMAC, Walter Solt, LLC seeks an administrative order to utilize its Walter Solt State Well No. 1 (API 30-015-25522) located 2240 feet from the South line and 400 feet from the West line, Unit letter L of Section 5, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico, for produced water disposal purposes.

#### THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

#### IT IS THEREFORE ORDERED THAT:

The applicant, Walter Solt, LLC, is hereby authorized to utilize its Walter Solt State Well No. 1 (API 30-015-25522) located 2240 feet from the South line and 400 feet from the West line, Unit letter L of Section 5, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico, for disposal of oil field produced water (UIC Class II only) into the Wolfcamp formation through perforations from 7518 to 7812 feet through lined tubing and a packer set less than 100 feet above the permitted disposal interval.

#### IT IS FURTHER ORDERED THAT:

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

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

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC.

The wellhead injection pressure on the well shall be limited to **no more than 1504 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of disposal equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity, of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Administrative Order SWD-318-A Walter Solt, LLC March 28, 2012 Page 3 of 3

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 or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.

JAMPBAILEY Director

JB/wvjj

cc: Oil Conservation Division – Artesia State Land Office – Oil, Gas, and Minerals Division

District II       811 South First, Artesia, NM 88210       Oil C         District III       20         1000 Rio Brazos Road, Aztec, NM 87410       Sat         District IV       Sat         2040 South Pacheco, Santa Fe, NM 87505	te of New Mexico terals and Natural Resourd BECEIVED onservation Division 40 South Pacheco ta Fe, NM 87505 CCD-AFITEOLADistrict Office in accordance with Rule 116 on back side of form			
3 15-25522 Release Notification	on and Corrective Action			
<u>MLB0526429004</u> OF	ERATOR Initial Report I Final Report			
Name of Company I&W INC.	Contact Kevin W/1/SON			
Address PO, ROX 98 Lovo Hills N	M 88255) 505-677-2111			
Facility Name Walter Solt States	Facility Type			
Surface Owner Mineral Ow	TI SALT WATER DISPOSAL			
State NM St	Ate B 3828			
	N OF RELEASE			
	nth/South Line Feet from the East/West Line County			
L 5 185 28E 400'	3 2240 E Eddy			
NATURE	OF RELEASE			
Type of Release PROduced Water	Volume of Release 10 6618 Volume Recovered 10 66/5			
Source of Release Tank Duran Cl	Date and Hour of Occurrence Date and Hour of Discovery			
Was Immediate Notice Given?	If YES, To Whom?			
By Whom?				
	Date and Hour			
W Watercourse Reached?	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*	· · · · · · · · · · · · · · · · · · ·			
Describe Cause of Problem and Remedial Action Taken.* TANK OVERFIGUE. INStalling OVERFlow VALVES ON INCOMING LINES WITH hEA				
Describe Area Affected and Cleanup Action Taken.* Inside beems which ARE fully lived with plastic. Remove contaminated Material + Replace with NEW.				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
J' IN	OIL CONSERVATION DIVISION			
Signature: Kenn Makaon	TIM GUM			
Printed Name: Kevin Wilson	Approved by District Supervisor: by MB Milly Brancing			
Tith OPERAtions MANAGER	Approval Date: 9/21/05 Expiration Date: N/A			
Date: 9/16/05 Phone: 505-672-2111	Conditions of Approval: Attached			
Attach Additional Sheets If Necessary				

			(			News 4 cm
1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410	State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505		al Resources vision bis Dr.	UUUANTEBIA Submit 2 Cop District Off		Form C-141 rised October 10, 2003 opies to appropriate office in accordance th Rule 116 on back side of form
Release No	tificatio	n and Co	orrective A	ction		
New Manager Transford	·····	OPERA	the second s		tial Report	Final Report
Name of Company TotW INC. Address P. O. BOX 98 LOCO HILLS NM			KEVIN WI	21110 frice /	575-743-2	DOWL CELL
Facility Name WALTER SOLT SWD		Facility Typ	ю <u>S</u> WD			·····
	ral Owner	I+W_		Lease	No. B 3	828
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Unit Letter Section Township Range Feet from t L 5 183 28E 400	0	South Line	Peet from the	East/West Line	Eddy	
		Juth	00110	EAST	Leavy	
Latitude		_ Longitud				
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Source of Release UNLOADING AREA Was Immediate Notice Given?		Date and H	our of Occurrence	e 🔪 Date and	Hour of Disco	
Vas Johnneamans Ivolice (nven?	or Required	If YES, To	Whom?	UNKNO	WN	
By Whom?		Date and H				
Was a Watercourse Reached?		If YES, Volume Impacting the Watercourse.				
If a Watercourse was Impacted, Describe Fully."					······	
,						
Describe Cause of Problem and Remedial Action Taken.*	. 1				·····	
Numerous Trucks unloading on A	daily 1	Asis.				
Contacted companies that unload at.	facility	+ Asked	that they re	emind drive	es on bet	ter housekeep
Describe Area Affected and Classes Action Takes 8						
UNIORDING area approximately 25x57	around	unload	ing values.	. Hicked up	Approx	imately
Unloading area approximately 25x50 around unloading values. Picked up Approximately 24 yards + hauled to CRI. Sprayed Micro Blaze over area + replaced caliche.						
I hereby certify that the information given above is true and con- negatives all operators are maximal as a second s	mplete to the	best of my k	nowledge and une	lerstand that purs	usint to NMOC	D rules and
public health or the environment. The acceptance of a C-141 report by the NMOCT marked or "Final Report for releases which may endanger						
or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the anergies of memory like the anergies of a contamination that pose a threat to ground water, surface water, human health						
Account dates, or which have a regulations.						
Signature: Verien William						
Printed Name: Kevin Wilson App		Approved by District Supervisor: Telumon SB				
THE OPERATIONS MANAGER	Ар	proval Date:	10-1-08	Expiration D	ate: N/p	
E-mail Address:	Cor	ditions of A	proval:		······································	
Date: Phone;		·	NIN		Attuched	AIA
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\* Attach Additional Sheets If Necessary

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ItW INC., IN AN effort to better control and monitor our SWD, Will be installing A CEMENT lined UN loading AREA which will include sumps AND A 24 HOUR video surveillance system.

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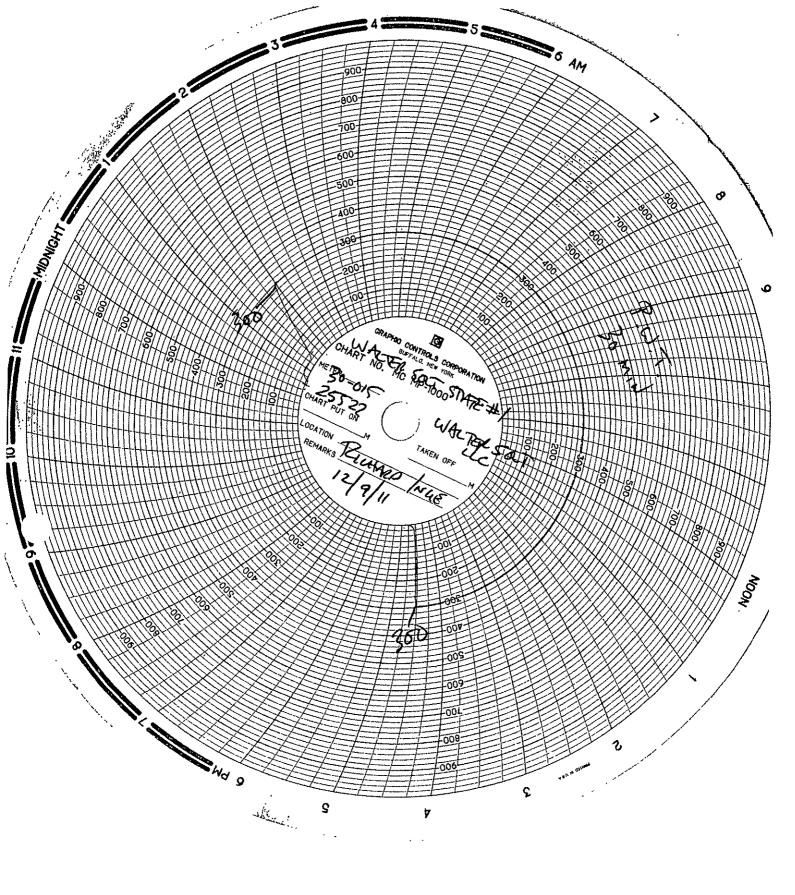
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Submit I Copy To Appropriate District Office	State of New Mexico		Form C-103
District 1 (575) 393-6161	Energy, Minerals and Natural Re		Revised August 1, 2011
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283		WELL A	
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVI	1.5 India	<u>30-0/5-2,5522</u> ate Type of Lease
<u>District III</u> (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis D	r. S	TATE 🔀 FEE 🗌
·i <u>ct IV</u> (505) 476-3460 S. St. Francis Dr., Santa Fe, NM	Santa Fe, NM 87505	6. State	Oil & Gas Lease No.
81305			
SUNDRY NOTIO	CES AND REPORTS ON WELLS ALS TO DRILL OR TO DEEPEN OR PLUG BAC	7. Lease	Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLIC.	ATION FOR PERMIT" (FORM C-101) FOR SUCI		res Salt State -
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well 🛛 Other SUD	8. Well	Number # 1
2. Name of Operator ,			ID Number
WALTER	Solf LLC * 1+W	<108 ale 79. OGR	283037
3. Address of Operator		10. Pool	name or Wildcat
<u>P. O. Box 7D LOC</u> 4. Well Location	D Hills NM 88255		
	2240 feet from the F.SL 1	100	
Section 5		ine and $400$	feet from the FINI line
Contraction of the second s	11. Elevation (Show whether DR, RKB,	$\frac{2S_E}{RT GR etc}$ NMPM	County Eddy
	3644.4 GR		
12. Check A <sub>I</sub>	opropriate Box to Indicate Nature of	of Notice, Report of	r Other Data
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	MULTIPLE COMPL	NG/CEMENT JOB	
DOWNHOLE COMMINGLE			
THER:		R:	П
i3. Describe proposed or complete	ted operations. (Clearly state all pertinent	t details, and give perti	nent dates, including estimated date
proposed completion or recon	:). SEE RULE 19.15.7.14 NMAC. For N	Aultiple Completions:	Attach wellbore diagram of
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F DENIED. SW	D PEDENT HAS EXI	MED REAT	NMOCD ARTESIA
I hereby certify that the information abo	ove is true and complete to the best of my	knowledge and belief.	RE WOOD ATTECHT
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SIGNATURE Komin In	I Dan TITLE Dans	Ala	9/21/11
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" or print name Kevin W	1.1	~	(515)
1/	1.1	~	9/21/11 2_DATE <u>9/20/2011</u> (575) 0.00 PHONE: <u>703-2041</u>
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ENTHEY AND MIN	ERALS DEPARTME	VT )	IL CONSERV		ISI		Form C-101 Revised 10	
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illillilli	HHHiiHH			19. Froposed D	epth.	19A. Formation		20. Fictory or C.T.
uuinuui.	MANNI	MIII				Fenn.		Rotary
. I. Lievanonsi Sheiu	3644.4 GI		nd & Status Plug. Bo ne well	Hondo	Rig #	9	22. Approxy	Bate Work 8 Hi start
23.			PROPOSED CASING	G AND CEMENT PRO	DGRAM	ten fillen an ten fillen en en ten fillen er en en		**************************************

 IZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13 3/8"	54.5#	350 •	250	circulated
 12 1/4"	8 5/8"	24#	2250'	500 sx.	
7 7/8*	5 1/2"	17# J-55 N-80	8500'	800	4500'
			΄.		

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APPROVAL VALID FOR 180 DAYS PERMIT EXERES 7-3-86 UNLESS DRILLING UNDERWAY

BOP Diagram attached

hereby certify that the i	information above is true and c	omplete to the best of	my knowledge and bel	lof.	
ened Martin	- B mung	Tule_Metex	Fipe & Supp	Dote Dote	12-23-85
(7 4.0 5)	pace for State Original Signed	! Bv	niya matanin dan karan dan paga Burtan dan Maria Saka	1	
	Les A. Ciemer	ts			DEO 01 1005
PPROVED BY	Supervisor Distri	TITLE		DATI	DEC 27 1985

# WELL LOCATION AND ACREAGE DEDICATION PLAT

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	مر به <sup>و</sup>			, ۱ ( <sub>۱</sub> ) ۱ .	
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1	Perm	o-Penn	Wildcat	40-Acres	•

I children hen a reage doch arech to the subject well or colored pencil or ha fure marks on the pass of a

- 2. If a reason one case is dedicated to the well outline each and identify the wherear pathole of both is to estimate each and identify the wherear pathole of both is to estimate
- 3. If the methad one dense of different ownership is deducated to the well have the interests of a construction of the environment of the second process of the second proces

X No. If an every type of consolidation \_\_\_\_\_\_

El convertos "la "construite" interna anticara descriptions which have actually been consolidated. Construints este d Rus for a fine essary communication descriptions which have actually been consolidated. Construints este de

Note water will be assigned to the well until all interests have been constituted, by common taxing a contract and take of quality or otherwise for until a non-standard unit, eliminating such interests, has been approved to be the constant of the constan

		1 R 1 A 1 A
	i	- Neterlay sector starting and an
		to ned have a straight service
	:	best of much wreater and be at
		Martin & Murry
♥ · ¤		- d/b/a Metex Pipe & Supply
		METEX PIPE & SUPPLY
	1. · · · · · · · · · · · · · · · · · · ·	12-23-35
	:	nembs cereis rear ne wet in a
' * <b>4</b> ; ;		show i so the sole work , complete a sole
		antes of origo screeps made by me -
		a frue and convert to the bear in a
Market States	a an a man a sa a ma na ma man a a sa ma ma	knowledge und bei ei
		The strength
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	5	1 Com I Col
		Certificate NB JOHN W WENT IN
ਾ <del>τα + 34 65 ≩6</del> 5	2311 2840 2001 1820 1000 800	RONALL ETHNIC IN

HONDO R16 #9 Hydril Blind Bons Pipe Rams To Rig Pamp Kill Line - 2-一行 > Relief Lines To Chicke Manifold 1 ٠ METEX PIPE SSUPPLY WALTER SOLT ST. #1

55-TI85-R28E

NO. 07 CONTROL         OIL CONSERVATION DIVISION           DISTRIBUTION         P. O. BOX 2088	Form C-103
SANTA FE, NEW MEXICO 87501	Revised 10-
	Sa. Indic no Pype of Lease State X Foo
OPERATOR	5. State Oll & Gas Leve + No. D-3823
SUNDRY NOTICES AND REPORTS ON WELLS 100 NOT USE THIS FORM FOR PROPOSALS TO UNLE 24 TO DEFENDE ON WELLS. USE "APPLICATION FOR PRANTE " PROMIN C-1011 FOR SUCH PROPOSALS.]	
	7. Unit Agreement Name WALTER SOLT STAT
2. Nome of Operator METEX PIPE AND SUPPLY	β. Form or Lease Name
POB 1037 ARTESIA, NAT 88210	9. Well No.
UNIT LETTER L . 400 FEET FROM THE WEST LINE AND 22.40 FEET FROM	10. Field and Pool, or Wildcat WILDCAT - PENN
THE SOUTH LINE, SECTION 5 TOWNSHIP 185 NANGE 28E NUPL	
15. E 'ovation (Show whether DF, RT, GR, etc.) 364-4 or ft 62	12. County EDDL
Check Appropriate Box To Indicate Nature of Notice, Report or O NOTICE OF INTENTION TO: SUBSEQUEN	ther Data
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DAILLING OPNS.	PLUG AND ABANDONMENT
OTHER	TION
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	e estimated date of starting any propa
12/30/85 BUILD LOCATION FOR HONDRO	R16#9
Г	RECEIVED BY
	DEC 3 0 1300
· ·	O. C. D. ARTESIA, OFFICE
by certify that the information above is true and complete to the best of me knowledge and belief.	
ENER MUNINES MUNICY TITLE AND MUTEX PIPE, SUPPLY	DATE 230 85
	DEN: 31 1985
** OVED BY Supervise District + FIFLE	OATE

DISTIN TOTON	CONSERVATION DIVISION P. O. BOX 2088 NTA FE, NEW MEXICO 87501	Form C-103 Revised 19-1-
		Sa. Indicate Type of Leans State XXX Fue [_] 5. State Oil 6 Cas Leans No. B-3823
SUNDRY NOTICES AND DO NOT UNE THIS FORM FOR PERFORMED TO POLLE OF THE THE MANADELICATION FOR PERMIT - " IF	REPORTS ON WELLS	7. Ur Agreement Name
OIL CAS WELL OTHER-		8. Farm or Lease Maine
Metex Pipe & Supply 🗸		Walter Solt State
Additional Operator P.O. Box 1037 Artesia, N.M. 88	3210	9. Well No. 1 10. Field and Pool, or Wildcat
L 400 rest mon	A THE WEST LINE AND 2240 FEET FR	11 Adapt - Da
SOUTH 5	28E RANGE 28E	://///////////////////////////////////
ALL Start St	tion (Show whether DF, RT, GR, etc.) 3644.4	12. County EDDY
Check Appropriate Box NOTICE OF INTENTION TO:	To Indicate Nature of Notice, Report or C SUBSEQUE	Other Data, NT REPORT OF:
MPGRARILY ASANDON	AND ABANCON AB	ALTERING CASING [ PLUG AND ABANDONMENT [
cun surface casing	отися	
Describe Proposed or Completed Operations (Clearly sta work) seg null 3:00 p/m, Jan. 9, 1986 v Ran 11 joints 13 3/8" 54 15. J-55 350 sacks class"C" cement with 2% 5:30 a/m on January 10, 1986. WOC for 12 hours, drilled out 2 ft pressure for 30 minutes. Presently	ith Hondo, Rig #9. casing and set at 354'. Halliburt GaCl. Circulated 45 sacks to pit. . past shoe and tested BOP to 500 P	ton cemented with Plug down at PSI and held
	RECEIVED BY JAN 16 1986 O. C. D.	
hereby certify that the information above is true and cor	•	
10 NS Mund	d/b/a Metex Pipe & Supply	<u>DATE</u> Jan. 10, 1936
Original Sign Les A. Cleme	•	JAN 23 1986
NOVED BY Supervisor Dist	trict 11	

STATE OF NEW MEXICO	
GIL CONSERVATION DIVISION DISTRUBUTION . P. O. DOX 2088 SANIA FU	Form C-103 Revised 10-1-7
	Sa. Indicate Type of Lease
UT N.C. OFFICE	State X
0 AT 0/	5. State Oll & Gas Luase No. B-3823
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FOR FOR PROPOSALS TO DAILE OF TO GERPEN OR PLUG AGE TO A DEFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR DUC, PROPOSALS.)	
OIL XXX GAS WILL OTHER.	7. Unit Agreement Name
and of Operator	8. Farm or Lease Name
Metex Pipe and Supply ddrems of Operator	Walter Solt State
P.O. Box 1037 Artesia, N.M. 88210	1
ocation of Well	10. Field and Pont, or Whideat
UNIT LETTER	WILDCAT Penn.
South 5 18S 28E NMPM.	
[[[[[]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]	12. County
3644.4 GL	Eddy
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO:	
SUBSEQUERT	REPORT OF:
ORM REMEDIAL WORK	ALTERING CASING
PORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
other run intermediate	casing X
THI	
reacribe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including over $3 \pm 2$ pt. 8 5/8", 24 lb., J-55 casing to 1745'. Cemented with 400 sa with $8\%$ salt and $2\%$ Flowseal and 250 sacks class"C" with 2% CaCl. Ci sacks to pit. Plug down at 4:00 p/m, Jan. 12, 1986.	cks Halco Lite rculated 100
WOC for $12^{\circ}$ hrs. drilled out 2' past shoe and tested BOP to 1000 psi a thirty minutes. Presently drilling 7 7/8" hole with full returns.	nd held for
·	
RECLIVED BY	
JAN 16 1986	•
O. C. D.	
ARTESIA, OSTICE	
ereby certify that the information above is true and complete to the best of my knowledge and belief.	***************************************
d/b/a Metex Pipe & Supply	1-13-86
Original Signed By	JAN 23 1986
ED BY Les A. Claments TIONS OF APPROVAL, IF ANY: Supervisor District IJ	DATE JAIL & J 1000

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ENERGY AND MINERALS DEPARTMENT		
OIL CONSERVATION DIVISION DISTRIBUTION BANTA PE FILE SANTA FE, NEW MEXICO 87501		Form C-103 Revised 10-1
NO OFFICE	5a. Indicate Typ	oo of Lease
OPERATOR CONTRACTOR	State XX	Foo
ARTESIA, OFFICE	5. State Off & G B-382	
SUNDRY NOTICES AND REPORTS ON WELLS USE THIS FORM FOR PROPOSALS TO BALL ON TO DEEPEN OR PLUE BACK TO A DIFFERENT RESERVOIR.		<u>annn Th</u>
OIL AR GAR DTHER-	7. Unit Agreemen	at Name
METEX PIPE & SUPPLY	8. Form or Lease	
i, Address of Operator	WALTER SO: 9. Well No.	LT STATE
POB 1037 Artesia, NM 88210	1	
L 400 West 22/0	10. Field and Po	
Couth	Wildcat	Tenn.
SOUTA 5 185 AANGE 28E HMPM.		
15. Elevation (Show whether DF, RT, GR, etc.)	12. County	
3644.4	Eddy	
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO: SUBSEQUENT		
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK COMMENCE DRILLING OPNS.		NG CASING
OTHER DST'S, Logs & TD		[
<ul> <li>7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including e work) see RULE 1103.</li> <li>DST #1 6678-6822!</li> <li>DST #1 7035-7090!</li> <li>Results to be submitted with completion report</li> <li><u>2-16-85</u>: Driller's TD=8500! Loggers TD=8484!</li> <li>Ran Open-Hole Logs: GR/CNLD &amp; DLL/MSFL</li> </ul>		
Ran 52" 17# LTC(N-80/J-K-55) Casing to 8466' KB with float sh float @ 8424'. Cemented with 135-Sxs Howco "H" + .7-1% Hala 4500#-Held-OK. Howco FULL-OPENING CEMENTER SET @ 1785'.	oe @ 8466' & d-9. Bumped	t Insert I Plug to
2-25-85: Cleaned Location & Set Dead-Men		
2-26-86: Ran Cement Bond Log and found good cement from PBTD 8398' to	79611	
Present operation is waiting on completion unit		
PBTD= 8398'KB		
	•	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.		
" <u>(ABMUMUX pur</u> <u>time</u> <u>d/b/a METEX PIPE &amp; SUPPLY</u>	DATE 2-28	-86
() Original Signed By Mike Williams	FEB	28 1986
DITIONS OF APPROVAL, IF ANY:	DATE	

)	)
EQUIPMENT & HOLE DATA FORMATION TESTED: WOLFCAMP	TICKET NUMBER: 22834600
NET PAY (ft): 22.0	DATE: 2-4-86 TEST NO: 1
GROSS TESTED FOOTAGE: 144.0	
ALL DEPTHS MEASURED FROM: 10' K.B.	TYPE DST:OPEN HOLE
CASING PERFS. (ft):	
HOLE OR CASING SIZE (in): 7.875	HALLIBURTON CAMP: ARTESIA
ELEVATION (ft): 3644.4 GRGUND LEVEL	
TOTAL DEPTH (ft) 5822.0	TESTER: R. PEPPERS
PACKER DEPTH(S) ): <u>6672, 6678</u>	
FINAL SURFACE CHOKE ((n):	· ·
BOTTOM HOLE CHOKE (Min): 0.750 MUD WEIGHT (16/gal): 8.80	WITNESS:MUNCY
MID VISCOSITY (coo).	
MUD VISCOSITY (sec): 22 ESTIMATED HOLE TEMP. (°F):	DRILLING CONTRACTOR:
ACTUAL HOLE TEMP. (°F): 110 @ 6818.0 ft	HONDO DRILLING COMPANY #9
FLUID PROPERTIES FOR RECOVERED MUD & WATER	SAMPLER DATA
SOURCE RESISTIVITY CHLORIDES	Pstg AT SURFACE: 35.0
EARIH PITS         Q.139         70 °F         33000 ppm	cu.ft. OF GAS: 0.295
<u>SAMPLER</u> 0.146 9 70 °F 31000 ppm	
	CC OF WATER: 550.0 SULPHUR
MICDLE RECOVERY 0.150 0 70 °F 30000 ppm	
<u>IOP_OF_IOOLS</u> <u>0.150</u> • <u>70</u> •F <u>30000</u> ppm	cc OF MUD:
••Fppm	TOTAL LIQUID cc: <u>550.0</u>
HYDROCARBON PROPERTIES	CUSHION DATA
OIL GRAVITY (°API):00F	TYPE AMOUNT WEIGHT
GAS/OIL RATIO (cu.ft. per bbl):	
GAS GRAVITY:	
RECOVERED:	ξω
497' OF GAS CUT FORMATION (SU	JLPHUR) WATER HERSTER AUTON LESIER AUTON
	STEL
	HER HER
DEMORYC	· · · · · · · · · · · · · · · · · · ·
REMARKS:	·
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TYPE & SI	T			· · · · · ·	
`E	CHOKE SIZE	SURFACE PRESSURE PSI	GAS Rate MCF	LIQUIO RATE BPD	REMARKS
2-3-86					
2245					ON LOCATION
2345					RIGGED UP TEST TOOLS
2-4-86					
0315		1			OPENED TOOL WITH A WEAK BLOW
0320	3/88H	1			1" BLOW IN BUCKET
0325					1 1/4" BLOW
0330		1			1 3/4" BLOW
0335			······································		2" BLOW
0340		+	, <u></u>	<b></b>	5. BFOM
0345	<b> </b>	++	······································		2" BLOW, CLOSED TOOL.
0515		<u>†</u>			OPENED TCOL WITH NO BLOW
0517		-			VEAK BLOW
0520		++	• • • • • • • • • • • • • • • • • • •		1/4" 8LOW
0525					1/2" BLOW
05-1		+			3/4" BLOW
 ار ا		1		<b></b>	BLOW STABILIZED AT 1" FOR RE-
		1			MAINDER OF THE PERIOD ON 3/8"
·····					BUBBLE HOSE.
0615			··		CLOSED TOOL WITH A 1" BLOW
0915				<u> </u>	OPENED BY-PASS AND PULLED LOOSE
1530					OUT OF HOLE WITH TOOLS
1330					JOB COMPLETED.
		· · · · · · · · · · · · · · · · · · ·			
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TYPE 4 S	· <u>} </u>				TIVE CHOKE	TICKET NO: 2280860
" ME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS Rate MCF	LIQUID RATE BPD	REM	ARKS
2-6-86						
0900	1	<u> </u>			ON LOCATION	
1115					PICKED UP TOOLS	······································
1145					STARTED TOOLS IN HOLE	
1400	ВН	0			OPENED TOOL WITH WEAH	
		1		<u> </u>	IN BUCKET	
405		1			INCREASE IN BLOW-4" 1	N BUCKET
410					6" IN BUCKET	
415	······································				8"	······································
420		1	·······		10"	
425					BOTTOM OF BUCKET BLOW	
430			•••		CLOSED TOOL - NO GAS	· · · · · · · · · · · · · · · · · · ·
530					OPENED TOOL WITH GOOD	BLOW
545		1			INCREASE TO BOTTOM OF	
					AND REMAINED STABLE F	
\					OF FLOW PERIOD	
					CLOSED TOOL	······
930					OPENED BYPASS AND PULL	EO LOOSE -
					STARTED OUT OF HOLE	
200				······	PULLED TO FLUID - TOOP	( SAMPLES
				1		
					······································	
					<u> </u>	
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EQUIPMENT & HOLE DATA	TICKET NUMBER: 22808600	
NET PAY (ft): <u>4.0</u>	DATE: <u>2-6-86</u> TEST NO:	2
GROSS TESTED FOOTAGE: <u>55.0</u> ALL DEPTHS MEASURED FROM: <u>KELLY BUSHING</u>	TYPE DST: OPEN HOLE	
CASING PERFS. (ft): HOLE OR CASING SIZE (tr): 7.875 ELEVATION (ft): 3644.4 GROUND LEVEL	HALLIBURTON CAMP: ARTESIA	
TOTAL DEPTH (ft): <u>7090.0</u> PACKER DEPTH(S) (ft): <u>7029.7035</u>	TESTER: SIAN MC KEE	
FINAL SURFACE CHOKE (in): BOTTOM HOLE CHOKE (in): 0.750 MUD WEIGHT (16/gal): 8.90	WITNESS:MUNCY	, , 
MUD VISCOSITY (sec): 31         ESTIMATED HOLE TEMP. (°F):	DRILLING CONTRACTOR: HGNDD DRILLING RIG #9	
FLUID PROPERTIES FOR RECOVERED MUD & WATER SOURCE         MUD PIT       0.096 @ 70 °F       53000 ppm         SAMPLER       0.280 @ 70 °F       16000 ppm         TOP RECOVERY       0.100 @ 70 °F       49000 ppm         MIDDLE RECOVERY       0.096 @ 70 °F       53000 ppm         MIDDLE RECOVERY       0.200 @ 70 °F       49000 ppm         BOTTOM RECOVERY       0.220 @ 70 °F       19000 ppm         ® OTTOM RECOVERY       0.220 @ 70 °F       19000 ppm	SAMPLER DATA Psig AT SURFACE: 230.0 cu.ft. OF GAS: 0.271 cc OF OIL: 50.0 cc OF WATER: 2300.0 cc OF MUD: TOTAL LIQUID cc: 2350.0	
HYDROCARBON PROPERTIES OIL GRAVITY (°API): ©°F GAS/OIL RATIO (cu.ft. per bbl): 860 GAS GRAVITY:	CUSHION DATA	GHT
RECOVERED: 90 FEET OF OIL CUT SULPHUR WA 919 FEET OF SULPHUR WATER	TER	MERSURED FROM TESTER VALVE
REMARKS: NO GAS TO SURFACE DURING TEST.		
CHARTS INDICATE THE POSSIBLE EXISTENCE OF MOR ONE ZONE WITHIN THE TESTED INTERVAL.	ETHAN	

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMI	ENT					
DISTRIBUTION			ATION DIVISIO 2088 MEXICO 87501			Form C-103 Revised 10
File U.S.O.S.				•	5a. Indicate Typ	po of Lease
LAND OFFICE		1900			State XX	Fee
OPERATOR	J <u> </u>	-			5. State Oil & C B-382	
SUNDR	Y NOTICES AND R		WELLS			, nnnn
(DO NOT USE THIS PORM FOR PAC USE **APPLICAT	POSALS TO DRILL OR TO OF	CEPEN ON PLUG	BACK TO A DIFFERENT RESCI CH PROPOSALS.)			
OIL CAS	0THER-				7. Unit Agreeme	
2. Name of Operator Metex Pipe	& Supply				8, Farm or Leas	
3, Address of Operator					Walter So] 9. Well No.	lt State
. PO Box 1037	Artesia,	NM 88210			1	
4. Location of Well T	100	18 4			10, Fleid and Po	ool, or Wildcat
UNIT LETTER	400 FEET FROM THE	West	LINE AND2240	FEET FROM	Wildcat F	ennerrer
South	»	18S	28E			
	15, Elevation	(Show whether	DF, RT, GR, etc.)		12. County	HHHH
	3644.4	GL	·····		Eddy	
16. Check A NOTICE OF IN		Indicate N	lature of Notice, Re		er Data REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND	ABANDON	REMEDIAL WORK		A175*	
TEMPORARELY ABANDON		[]	COMMENCE DRILLING OPHS	jament.	PLUG /	AND ABANDONMEN'
PULL OR ALTER CASING	CHANGE PI	LAN3 []	CASING TEST AND CEMCHT DTHEN	109		
YREA				<u>\</u>		
17. Describe Proposed or Completed Ope	rations (Clearly state ali	pertinent dete	ils, and give pertinent day	es) including e	stimuted date of	
WPRA SER NULE TIUS.				1		securing any proj
*Results of DST #1(6678-6				w th thi	.s report.	
*The Drilling Inclination						
*The 2-26-86, Schlumberger	· CNL-CET Logs a	re attaci	ned with this rep	oort.		
*The 3-22-86, Welex CBL is	attached with	this repo	ort.			
<u>3-13-86/3-17-86</u> : Perf Cis Treat wi approx.	.th 2000-Gal 20%	NeFe Aci	oles(8214,16,17,1 id, 1000 SCF N2/F slight show oil	BBL and ba	lls. Flow	ed and swa
Set CIBP	at 8200' with	351 "H" (	ement-Tested to	3000#-0K-	PBTD=81631	•
			. omt. sq. ret. a			
3-19-86: Squeeze with 11						
<u>3-22-86</u> : Ran Welex CBL(s		•		7842 Vit	h no cmt. 1	pehind 5날"
<u>4-15-86</u> : Plan to change PBTD=7842'	operator	NOTE	: New operator w	ill submi	t Open-Hole	> Logs
18. I hereby certify that the information ab	ove is true and complete	to the beat of	my knowledge and belief.			
. Alerten Munup	÷	+17LE d/1	o/s METEX PIPE &	SUPPLY	DATE	4-15-86
	Original Signed By					
	Les A. Clements	T175#			APR	23 1986
CONDITIONS OF APPROVAL, IF ANY	Supervisor District II				UNIC	<del></del>
<u> </u>						/

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STATE OF NEW MEXICO JY AND MINERALS DEPARTI OISTAIDUTION DANTA PE FILE U.S.M.A. LAND OFFICE TANSPONTEN DIL OPERATOR PRORATION OFFICE 1. Operator	•	0	SANTA REQ	1986 D. SERV P. O. I FE, NI	ATION BOX 2088 EW MEXI OR ALLOW	DIVISIC CO 87501 ABLE AND NATU		Form C-104 Revised 10-01-78 Format 08-01-83 Page 1
FROSTMAN OIL	CORPORA	FION	$\checkmark$					
P.O. DRAWER W	-	EA, N	₩ 88210					
Reason(s) for filing (Check proper ) New Well Recompletion Change in Ownership		011	Transporter shees Gas		Dry Gas Condensais	Other (Please CHANG	explain) E OF OPERATOR	
If change of swnership give narm and address of previous owner II. DESCRIPTION OF WELL A	necex		e & Supp	ly, P.	O. Box	1037, Ar	t <u>esia, NM 88210</u>	
Walter Solt State		I No. I	Pool Name, 1 Wildcat			4	Kind of Lease State, Federal or Fee St	ate B-3823
Unit Lottor L : 400 Line of Section 5 T III. DESIGNATION OF TRAN Name of Authorized Transporter of C	ownohip	<u>18</u> 5 OF OI	outh 1	lange 2	8 East	, Ммрм,	Fool From The Sou Eddy which approved copy of it	County Prest ID-3 Ais (orm is to be sone)
Name of Authorized Transporter of C	esinghead G	3+c.	of Dry Ga	• 🗔		ive address to	which approved copy of th	6-13-86 113 (orm 120 be 2011)
If well produces oil or liquids, give location of tenks. I this production is commingied a NOTE: Complete Parts IV and	ith that fro	n eny -	other lease	or pool,				
1. CERTIFICATE OF COMPLL	ANCE	il Consi	ervation Divis	ion have	APPRO		NSERVATION DIVIS	510N
ence Forister, Pre	PORATION Geciel Sident		complete to th	e best of	If th well, thi tests tak All	Les A Supervi form is to b is is a reque form must b on as the we sections of th	Clements Clements District [] e filed in compliance w at for allowable for a m e accompanied by a tat ii in accordance with p is form must be filled a mpleted wella.	ewly drilled or deepen- bulation of the deviati RULE 111.
June 9, 1986 (De	lej		in		Fill well nam	out only Sec e er number, a rate Forms (	nicone I, II, III, and VI v transporter, or other su >104 must be filed for	uch change of conditie

.

NS. 67 104913			Form C+103 Supersedex Old C+102 and C+103
ANTAFE		OIL CONSERVATION COMMISSION	Effective 1-1-65
H.C. .S.G.S.	RECEIVED B	Y	54. Indicute Type of Leave
At- FIC	JAN 21 198	7	Stata X Fee
PLICER	JAN 21 130	1	S, Stote Off & Gos Leane No. B-3823
			17/17/17/17/17/17/17/17/17/17/17/17/17/1
LO NCT	NOL THE FORMATION AND TO ARE SWIDDENC	ORTS ON WELLS CLUB CLACK TO A DIFFERENT RESERVOIR. TO FOR A TO A DIFFERENT RESERVOIR.	AMMANININI
	643		7. Unit Agreement florae
NELL ]	WILL OTHER-		6. Form or Leave Hame
	nan Oil Corporation $V$		Walter Tort Tt
At Jack Stress of Op			9, Well No.
P. O.	Drawer W, Artesia, NM 88210		1
Lecation of W	11		10, Field and Fool, or Wilded
UNIT LETTER	L 400 FERT FACH THE	West Line and 2240 FEET FROM	Wildcat Penn
Sol	th Line, section 5 townshi	P 18 S RANGE 28E HMPM	AHHHHHHHA
110			VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
<u> </u>	[[]] 15. Elevation (Sh	w whether DF, KT, GR, etc.)	12, County
MUIT			Eddy
•		ndicate Nature of Notice, Report or Oth	ier Data REPORT OF:
	NOTICE OF INTENTION TO:	3003200211	
AFLEM RENEDS	L WORK	ANDON REMEDIAL WORK	ALTERING CASING
MICRARILY ADA	исти	COMMENCE DRILLING OPHS.	PLUG AND ABANDONNERT
LL OF ALTER CA	SING CHANGE PLAN		· · · ·
		0THER	
¢)			
Describe Pro; work/ SEE Re	oried of Completed Operations (Clearly state all pe in it is too.	errinent details, and give pertinent dates, including	estimated date of starting any propo.
6/23/86:	Shot off casing at 7846' with	jet shot. Pulled casing out of	hole.
bottom	casing. Ran casing back to T.D ball, loaded casing, broke circ Pumped plug down. Pressured cas	noe on bottom & Lynes casing form ). Packer shoe at 7832, Lynes pac culation. Cemented with 100 Sxs sing to 3250'. Plug down 5:30 p.	ker at 7690. Dropped of Class H Cement. m. 6/25/86.
6/30/86:	Ran bond log top of cement at 7 with 1000 gals of 15% acid. Sw	7400'. Perforated 7778' - 7787' wabbing all water.	(10 holes) acidized
7/2/86 :	Perforated 7810'-7812' (1 shot	per foot). Swabbed with packer	at 7794' - all water.
7/3/86 :	Perforated 7742' - 7756' (15 ho acidized with 1000 gal. 15% aci	oles) Set bridge plug at 7768', p id. Swabbed - all water.	acker at 7685',
7/9/86 :	Perforated 7518' to 7534' (16 f acid. Swabbed - all water.	Et 17 holes). Acidized with l	000 gals. 15%
	Set bridge plug at 7490', pulle	ed tubing and shut`in well.	
	that the following has we as the true and provide to the	a the local of my knowledge and belief.	
STMAN	that the information move is true and complete to		
m (IL	rund Frink .	Mc Clarence Forister, President	DATE 1/20/87
1. 1. 2. 1.	Original Signed By		

JAN 2 7 1987

DATE .

 or.	APPHOVAL.	117	ANYE

LHOALS

Leslie A. Clements Supervisor District II

TITLE

· STATE OF NEW MEXICO					•
ERC' NO MINERALS DEPARTMEN	•		ATION DIVISI	RECEIVED	rm C-104 vised 10-01-78 rmat 06-01-83 ge 1
LE V V	SAN		W MEXICO 87501	AUG 24 '88	• •
IANSPORTER JAS		. A	R ALLOWABLE ND PORT OIL AND NATI	O. C. D. ARTESIA, OFFICE JRAL GAS	
erolof			**		
I. & W. Inc. L	/				
P. O. Box 98,	Loco Hills, Ne	w Mexico 8	8255		
New Well		antas ata	Other (Pleas	e explain)	
7 Becompletion	Change in Transp	<b>L</b> J	Y Gas		
Change in Ownership	Casinghead (		ondensate		
DESCRIPTION OF WELL ANI	Well No. Pool No		ormation	Kind of Lease	Leose No
Walter Solt State	1 Wo1	fcamp		State, Federal or Fee State	<u>swD-130</u>
Ui iter <u>"L''</u> : 2240	Feel From The	_	• and <u>400</u> •	Feet From The <u>FWL</u>	County
L. DESIGNATION OF TRANSP one of Authorized Transporter of Oli				to which approved copy of this f	orm is to be sent)
ame of Authorized Transporter of Casi		οτ <b>γ Gα</b> # 🛄	Address (Give address	to which approved copy of this f	Post TD-3
well produces all or liquids, ive location of lanks,	Unii Sec. Tv	vp, ¦Rge,	Is gas actually connect	ød? jWhen I	12-9-88 
this production is commingled with OTE: Complete Parts IV and V			give commingling orde	r number:	<i>91</i>
. CERTIFICATE OF COMPLIAN	ICE			ONSERVATION DIVISIO	N
ereby certify that the rules and regulation on complied with and that the information whowledge and belief.	is of the Oil Conservatio given is true and comple	n Division have re to the best of	APPROVED	DEC 6 1988	

11

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() san	L Rell
 Jeology	(Signature)

Office Manager
(Tule)
8-23-88
(Date)

D 1				
				· · · · · · · · · · · · · · · · · · ·
		AAIk	Weilams	•
		11010	4 - California Constantina - California - Ca	
TΓ	TLE	· · · · · · · · · · · · · · · · · · ·		

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

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

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

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

Soparate Forms C-104 must be filed for each pool in multi-completed wells.

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	. ·	
ENERGY AND MINERALS DEPARTMENT		
DISTRIBUTION P. O. BOX 20.3		Form C-103 ·
SANTA FE SANTA FE, NEW MEXI		Revised 10-1
FILE VV		Sa. Indicate Type of Lease
7.5.0.5.		سبيع المعادي
AND OFFICE	JUL 26 '88	State X Fee
OPERATOA	,	5. State Oil & Gas Lease No.
	<del></del>	SWD-130
SUNDRY NOTICES AND REPORTS ON WELLS	PITTE ARTESIA DEFICE	
1.		7, Unit Agreement Name
		Walter Solt State No.
2. Name of Operator		8. Farm or Lease Name
I. $\&$ W, Inc.		Solt #1
3. Address of Operator		9. Well No.
		1
P. O. Box 98 , Loco Hills, New Mexico 88255		10. Field and Pool, or Wildcat
	10	Wolfcamp
UNIT LETTER "L" 2240 FEET FROM FSL INC.	AND 40 PEET PROM	WOLLCamp
	20F	
THE FWL LINE, SECTION 5 TO HIP 18-5	ANGENMPM.	
THE State of the second s	CP ata l	12. County
<u>3644.4' ~r.</u>		Eddy ///////
16. Check Appropriate Box To Indicate Natu	of Notice, Report or Oth	er Data
NOTICE OF INTENTION TO:	SUBSEQUENT	REPORT OF:
PERFORM AEMEDIAL WORK REMEDI		ALTERING CASING
TEMPORABILY ABANDON	NCE DRILLING OPHS.	PLUG AND ABANDONMENT
CHANGE PLANS CASING	TEST AND CEMENT JOS	
	., run tubing, acidi	zing
	· · · · · · · · · · · · · · · · · · ·	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and work) SEE RULE 1703.	give pertinent dates, including a	estimated date of starting any propos
2-8-88 Run tbg. hit fill at 7468', circulate to 7830	0', pump packer flui	đ.
2 - 9 got nackor at 7457! number the treatment of 500 g	al $zeloline$ , 5000 G	al.15% NE Acid.

2-9-88 set packer at 7457', pump treatment of 500 gal. zeloline, 5000 Gal.15% NE Acid Test to 500# W/ state man on location , held for 30 min. Shut in waiting on battery to be build.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. BILLE Degry J. B. DATE 7-23-88 Original Signed By Mike Williams TITLE DEC 6 1988

•								
FIELD		C	OUNTY	dy, N	<u>M 0C</u>	C NUM	IBER	
OPERATOR	Metex Pipe & Supply	ADDRESS	P. O.	Box 1037, A	rtesia,	New	Mexico	88210
ASE	Walter Solt State				WELL	NO	1	<u></u>
SURVEY	NW/4, SW/4, Section 5, T	<u>-18-S, R-2</u>	8-E				<u>_ 1</u>	<b></b>
	RECOR	D OF INCLI	NATION					
	DEPTH (FEET)			ANGL INCLINATIO		EES)		
	6114 6207			4 1 4 3	14			
	6229 6274			43 43 43	/4			
	\6305 6367 6427			4 3 4 3 4 1	/4			
	6461 6524			414				
	6587 6648			31 31 3	•			
	6772 6936 7095			3 2 1 2	/2			
	7485 7975			1 1 1 1	.[4			
	8500			11	.74			

# Certification of personal knowledge inclination data:

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I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

.

HONDO DRILLING COMPANY	>
BY:	
Walter Frederickson	
Vice President	

Sworn and subscribed to before me the undersigned authority, on this the

19th	_day of_	February	, 1986.					
Margarety B. A	+ 13	Thile.	Notary	Public	in and	for Midland	_County,_	Texas
Margaret B. A	inderson	,						
V			Page 2 d					

FIELD		co	UNTY_	Edd	ly, NM		OCC NUI	BER	
OPERATOR	Metex Pipe & Supply	ADDRESS	P. O.	Box	1037,	Artesi	a, New	Mexico	88210
3E	Walter Solt State					WE	LL NO.	1	
· · · · · · · · · · · · · · · · · · ·									
SURVEY	NW/4, SW/4, Section 5, T-18	-S, R-28-E							
	RECORD	OF INCLIN	ATION						
<b>N</b>		······································			A 147	GLE OF			
\				TN		ION (DE	GREES)		
i N	DEPTH (FEET)			1111	JULIAL				
	354					3/4			
Ì	667					3/4			
, /	1001					3/4			
1	1406					3/4			
\ \	1685				_	3/4			
ý	2068					1/2			
ý	2690				]	L 1/4			
	2970					3/4			
	3610				1				
	3905					L 1/4			
	4155				1				
	4341				r	3/4			
	4478 4621				1				
	4021 4746					1/2			
	4965					3/4			
	5158					3/4			
	5246					3/4			
	5340					2			
	5434					2 1/4			
	5519					2 1/2			
	5623					2 3/4			
	5717					3 1/2			
	5780				4				
	5843					1/2			
	5897					1/2			
	5958					3/4			
	5977					1/2			
	5990					1/4			
	6052					3/4			
Certifica	6083 tion of personal knowledge inc	clination d	lata:		4	3/4			
	$\langle \rangle$								

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY	· · · · · · · · · · · · · · · · · · ·
BY:	
Walter Frederickson	
Vice President	

Sworn and subscribed to before me the undersigned authority, on this the

19th	day_of	February	, 1986.					-	
margan	it B.	Anilerson	_Notary	Public	in and	for Midland	_County,_	Texas	······••
Margaret B.	Anderson								
9			Paga 1						

							·
- STATE OF NEW MEXICO			•				
VERCY AND MINERALS DEPARTMENT						Farm C 104	
						Form C-104 Revised 10-01-76	
DISTRIBUTION	Ċ	DIL CONSERV	ATION	DIVISIO	2N	Format 06-01-83	
TILE V		P. O. B	OX 2088			Pege 1	
J.S.G.S.		SANTA FE, NE	W MEXI	CO 87501			
AND OFFICE		······································					
AANSPORTER OIL							
PENATON A		REQUEST FO		ABLE	•		
RONATION OFFICE	AUTHO				10 M CAC		
	AUTHO	RIZATION TO TRANS	PORT UI	L AND NATU	IKAL GAS		
)perfict							
I. & W, Inc.							
diess							
P. O. Box 98, Loco Hil	ls, New	Mexico 88255					
lasson(s) for filing (Check proper box)				Other (Pleas	e explain)		
New Well	Change I	in Tronsporter of:					
Recompletion	No 14	니미	λγ Gαs	.*			
Change in Ownership	Cost	Inchead Gae 🔄 C	londensate				
<u>DESCRIPTION OF WELL AND</u> was Name Walter Solt State		Pool Name, Including F WOLfcamp	otmailan	1	Kind of Lease State, Federal or Fee		-1.30
"ocation			·····			······································	
etter "L" : 2240 '	Feel Fro	om The South Li	n• and <u>4(</u>	<u></u>	Feet From The We	≥st	
Line of Section 5 Towns	hlp 18-9	3 Range 2	28-E	, NMPL	4. Eddy		Count
IL DESIGNATION OF TRANSPO	RTER OF		<u>l Gas</u>				
Name of Authorized Trainsporter of Oil	j or C	iondensate	¥201088	(Give address	to which approved copy	of this form is to be se	enej
Navajo Trucking					Artesia, New Me		
Name of Authorized Transporter of Casing	shead Gas (_	or Dry Cas	Address	(Cive oduress	to which approved copy	· · · ·	•
1						Port Il	
if well produces oil or liquide,	init Sec	• •	18 938 66	tually connect	when	12-9-	88
L.	L <u>;</u> 5	<u>t</u>				s	i w li
this production is commingled with	that from an	ny other lease or pool,	give com	ningling orde	r number:		
IOTE: Complete Parts IV and V of	n reverse s	ide if necessary.					
1. CERTIFICATE OF COMPLIANC	CE			oil c	ONSERVATION D	•	
hereby certify that the rules and regulations	of the Oil C	onservation Division have	APPR	0VED	<u>nen nam</u>	. 19	
een complied with and that the information (	given is true a	nd complete to the best of					
ay knowledge and belief.			BY		Original Sign		
•			11		Mika Wind	8105	

.....

Mik	e Bulls
	(Sienature)

[
Manager
(Tule) 10-27-88
(Date)

If this is a request for allowable for a newly drilled or deeps well, this form must be accompanied by a tabulation of the deviatests taken on the well in accordance with AULE 111.

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

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

Separate Forms C-104 must be filed for each peol in multicompleted wells.

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		~						•		m C-105 ised 10~1-78
STATE OF NEW										
ERGY AND MINERAL		ÓI	_ CONS	SERVA	TION DI	VISIO	DN -	50.		Type of Leuse
DISTRIBUTION				р. <mark>О</mark> . ПО					State 2	
JANTA FR		S	ANTA F	E, NEW	/ MEXICO	87501		5.	State Oil	6 Gas Lease No.
<b>F</b> 11 =	VV									SWD-130
	W	ELL COMPI	LETION C	DR RECO	OMPLETION	I REPO	KI AND		THTI.	HIIIIIIIII
UNU OFFICE								$\sim$	UUL.	
TYPE OF WELL	BAM							7.	Unit Agre	toment Name
Salt Water D	isposal on		a. []		67.4F.B	RECE	VED			
TYPE OF COMPLE	WLL	······································				1		1		Jease Name
WELL OVE				NIFF.	OTHER			1		Solt State #1
Name of Operator						AUG a	24 '88	. ક.	Well Ro.	
I. & W, I	nc. 🗸									
Address of Operator	······································						C. D.	10		nd Pool, or Wildcat
P. O. Box	: 98, LOCO H	Hills, New	Mexico	88255		ARTIES	A. CORRICE		.0W 	Lfcamp
Location of Well									illh.	
							•		illite	
17 LETTER L	LOCATED _4	<u> 20 </u>	т ғаом тне	West	1.1HC AND	2240	FEE	radia ()	County	11111111111111
						IIIV	IIIII.			
Couth LINE OF	<u>sec. 5 1</u>	wp. 18-5	NGE. 28-	E NMPN	. 17777777	17777	$\overline{D}$		idy	Elev. Cashinghead
, Date Spudded	16. Date T.D. R			leady to	rrod.J 18. L	levations 644.4'	Cr	, at , tury (		3654.4' KB
5-28-83		f +	-12-83		le Compl., Hov			, Rotary To		, Cable Touis
). Total Depth		g Back T.D.	22	Many	te Compr., nov	ł	puttien by	· • •		
8500		981'		<u> </u>		L		<u> </u>		25. Was Directional Surve
. Producing Interval(s	i), of this complet	110n 10p, 1301	tom, taque	•						Made
										No
	ut as t and Dun		·····						27. 1	les Well Cored
i. Type Electric and C										No
Micro-se	1smogram		ASING REG	-02D (Re	ort all strings	sot in w	11)			
B.			TH SET		LESIZE			IG RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT LB.		4		17-1/2"		35(	)Sacks		
13_3/8"	54.5#_				11"		650			
8 5/8"	<u>24#</u> 17# N-80	846			7 //8"		135			
<u>5 1/2"</u>			·							
. Plastic		INER RECORD	7500'	<u></u> ,		30.		TUB	ING REC	ORD
SIZE	тор	BOTTOM		CEMENT	SCREEN		SIZE	DEPT	HSET	PACKER SET
2-7/8" 0.	D.	7500				2	-7/8"	750	0"	7500!
1. Perforation Record ;	(Interval, size and	d number)			32.	ACID, SH	OT, FRAC	TURE, CL	MENT SQ	UCEZE, ETC.
Perfs 16 hol					DEPTH	INTERVA	<u>L</u>			NO MATERIAL USED
Perfs 10 hol	es 7632'-76	542' 2	cmt.					5000 Ga	llons	of Acid
Perfs 14 hold	es 7742'-77	756'					<u></u>			
Perfs 10 hold	es 7778'-77	787 <b>'</b>								
Perfs 3 hole	<u>s 7810'-781</u>	L2'	•					·····		
3.					DUCTION	J			Sell Stehr	is (Prod. or Shut-in)
ate First Production	Produ	iction Method (I	Conving, go:	s tift, puni	ping - Size an	գ քծիջ նա	ղել չ		Tom Dieta	
					041 1211	Cor	- MCF	Water -	Bbl.	Ges -OII Hatlo
Date of Test	Howa Tested	Choke Siz		n. For Feriod	Ofl Bbl.			1		
	•		<u> </u>	×21-3	Circ. N	]	Water	<u> </u>	101	Gravity - API (Corr.)
low Tubing Press.	Casiný Presswi	e Calculated Hour Hote	1 24- OII	1301.	Gas - N					
4. Disposition of Gas (	Cold wood for the		>		L			Test Wi	imessed 1	liy
4. Disposition of Gos (	adia, usea joi fui	n, venteu, etC.	/							
		والمتحديدة فيتشفر وجزار والمتريد فيتلاحدون	***				······			a yî i sayani ma dişîrîn yeyî ne yê dişîrê ye. Ew şêşîrê yê dirînê dirînê dirînê
5. Attachments										
6. 1 hereby certify that	the information -	thatwa on back	ides of this	form is tr	ue and complet	e to the l	est of my	knowledge	and belie	<i>f</i> .
6. I hereby certify that					•			-		
Xear	, L.Bel	/			Office I	Manago	r	~	ATE	8-23-88
SIGNED Left	}		T	ITLE	ULLICE ]	Sanaye	kaar			an a
	·····									

Submit 3 Copies to Appropriate		Natural Resources Departme	Form C-103
District Office		tani in recounter is opin une.	Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240		Box 2088ECEIVED	WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New	Mexico 87504-2088	
RICT III		JUN 0 4 1991	5. Indicate Type of Lease STATE X FEE
O Rio Brazos Rd., Aztec, NM 8741	)	19. 2. 3.	6. State Oil & Gas Lease No.
( Do not use this form for f Different res (form	TICES AND REPORTS ROPOSALS TO DRILL OR TO ERVOIR. USE "APPLICATION C-101) FOR SUCH PROPOSA	DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Walter Solt State SWD
1. Type of Well: OIL OAS WELL WELL	OTHER	SWD	
2. Name of Operator		5₩D	8. Well No.
I & W, Inc. 3. Address of Operator			1
	- Will- NN( 00)		9. Pooi name or Wildcat
P.O. BOX 98 LOC 4. Well Location	O HILLS, NM 882	200	]
Unit Letter :	400 Feet From The We	Line and 224	0 Feet From The <u>South</u> L
Section 5	Township 18S	D	Tradiday
	10wnsnip 10.5	Range 28E w whether DF, RKB, RT, GR, etc.)	NMPM Eddy County
	///////	1.4 GR	
11. Check	Appropriate Box to In	dicate Nature of Notice, R	eport, or Other Data
NOTICE OF IN			SEQUENT REPORT OF:
	PLUG AND ABANDON		X ALTERING CASING
	CHANGE PLANS		
	Ň	CASING TEST AND CE	<b></b>
OTHER:			·
12. Describe Proposed or Completed Oper	ations (Clearly state all pertinent	details, and give pertinent dates, includ	ling estimated date of starting any proposed
work) SEE RULE 1103.			
Cement Squeeze:	5/3/91 to 5/9/9	1	
1 Found hole	in casing @ 739	0.1	
		plus w/2% CaCl <sub>2</sub>	0 14.8#/gal
and 250 sk	s. neat @ 14.8#	/gal.	
	top @ 6250' by		
		d squeeze to 400#	for
	pressure loss.	@ 7457'. Tested 1	archaida to
		e loss. Well put 1	
in operatio			
I hereby certify that the information above is true	and complete to the best of my know	ledge and belief.	
SIGNATURE	1. Duth	mmeGeneral Mar	nager 6/3/91
TYPE OR PRINT NAME Michael	R. Butts		TELEPHONE NO. 746-42
(++ILE space for State Use) ORIGINAL			
MIKE WILLI			<b>JUN</b> 5 1991
APPROVED BYSUPERVISU	R. DISTRICT I	TITLE	DATE

CONDITIONS OF APPROVAL IF ANY: 

PAGE : 1

DEPTH ft	dDEPTH ft	TEMP %F	dTENP *F	GRADIENT *F /ft
ang pangan ang ang ang ang ang ang ang ang an				Anna /
5000		84.6		
5100	100	85.6	. 9	. 009
5200	100	86.5	. 7	.009
5300	100	87.4	.9	<u>.</u> 009
5400	100	88.3	. 9	.009
5500	100	89.2	. 9	. 009
6000'	500	91.5	2.3	.005
6250	250	92.4	* 9	.003
6500	250	97.2	4.8	.019
7000	500	103.0	5.7	.011
7134	134	103.4	. 4	.03

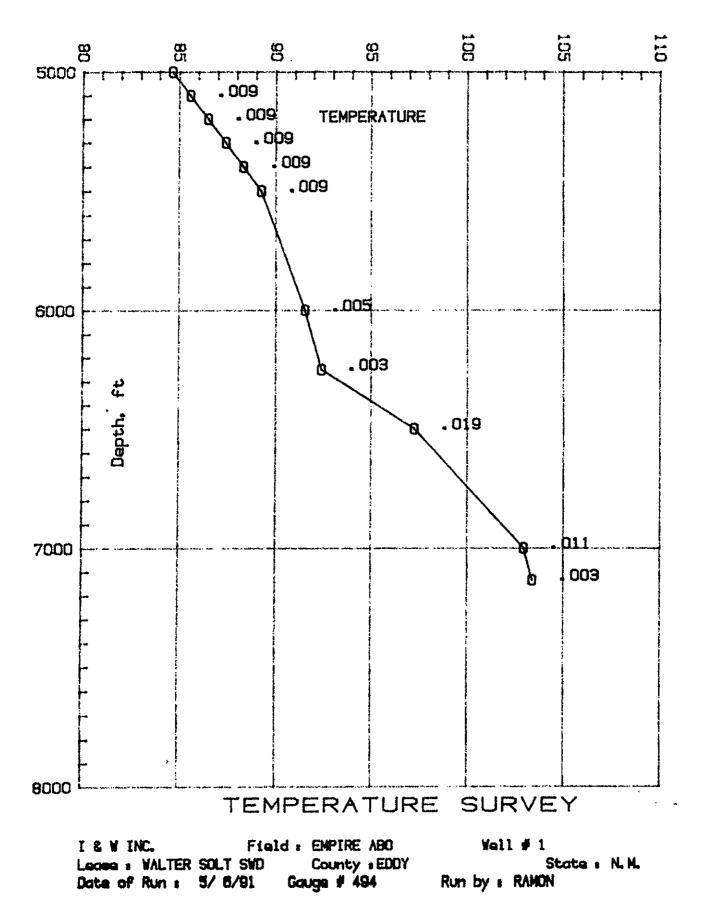
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CON VINELINE dog SEMETT-CATHEY P.O.BOX 787 ARTESTA, M 98210

RECEIVED - 1991 · ¦ , \*

.5-18.20

BENNETT-CATHEY

TEMPERATURE SURVEY REPORT

FOR: I & W INC. 5/ 6/91

WELL INFORMATION :

FIELD : EMPIRE ABO LEASE : WALTER SOLT SWD WELL # 1 FILE # IWWS1 LOCATION :N/A STATE :N.M. COUNTY : EDDY ZERO POINT :C.L. ELEVATION : 0.00 DEPTH : 0.0 TUBING SIZE :0 DEFTIL 0.0 CASING SIZE :0 @ 0.00 feet PACKER TYPE :0 TOTAL DEPTH : 7134.0 FERFORATED 0.0 to 0.0 feet

TEST INFORMATION :

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WELL CONDITION :SQUEEZE WELL TYPE :DISPOSAL SURFACE TUBING PRESSURE 0 psig by N/A SURFACE CASING PRESSURE 0 psig by N/A BOTTOM HOLE TEMPERATURE 0 deg. F. at 7134.0 feet BOTTOM HOLE PRESSURE 103.4 psig at 7134.0 feet INSTRUMENT TYPE : KELTNER NUMBER : 494 RUN BY : RAMON

C WIRELINE dba BENNETT-CATHEY, P.O. BOX 787 ARTESIA, NM 88210

#### IT IS THEREFORE ORDERED: SWD-318 5/24/87

That the applicant herein, I & W Inc. is hereby authorized to mplete its Walter Solt State Well No. 1, located in Unit L of ction 5, Township 18 South, Range 28 East, NMPM, Eddy County, w Mexico, in such a manner as to permit the injection of salt ter for disposal purposes into the Wolfcamp formation at proximately 7518 feet to approximately 7812 feet through 2 7/8 ch plastic lined tubing set in a packer located at approximately 00 feet.

1-21-87 "Accustic Cement Bond -6000 - 7816 Comp Neutron. - LD 5000 - 8483 UL-MSFL 0 - 8481 Electro magnetic prop. 5000 - 8456

1509 # Pol

4-21-86 Micro Seismogram 2013 Cased Nole 7300 - 7842 Cement Bond Log Variable Densi 7690 - 8393 Cement Evaluation Lor. 

# Allalige Al Abalarat

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Information	New Operator Information			
	Effective Date:	Effective on the date of a		
56	OGRID:	283037		
W INC	Name:	WALTER SOLT, LLC		
BOX 98	Address:	PO Box 70		

City, State, Zip: Loco Hills, NM 88255 City, State, Zip: Loco Hills, NM 88255

he rules of the Oil Conservation Division have been complied with a irm and the certified list of wells is true to the best of my knowledge

ng below, WALTER SOLT, LLC certifies that it has read and unders e rules.

TOR certifies that all below-grade tanks constructed and installed piselected wells being transferred are either (1) in compliance with 19 insuant to 19.15.17.13 NMAC or (3) have been retrofitted to comply 7.11(I) NMAC.

2 understands that the OCD's approval of this operator change:

proval of the transfer of the permit for any permitted pit, below-gradissociated with the selected wells; and proval of the transfer of any below-grade tanks constructed and instances.

As the operator of record of wells in New Mexico, WALTER SOLT, LLC agrees to the following statements:

- 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

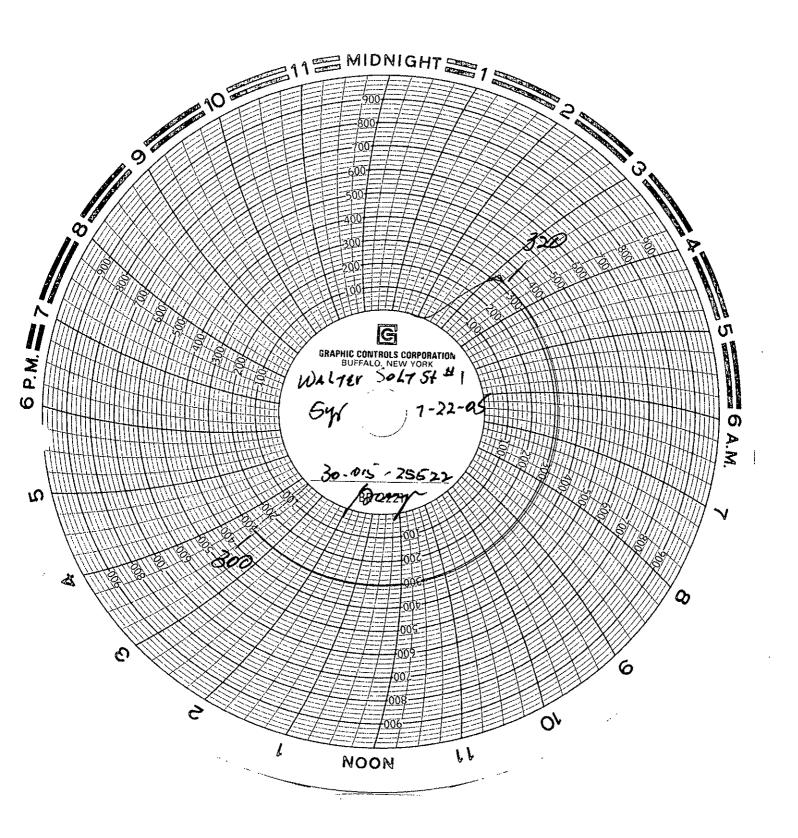
information, and I am responsible for updating that information when it changes. See 19.15.9.8.C NMAC. I understand that I can update that information on the OCD's website under "Electronic Permitting."

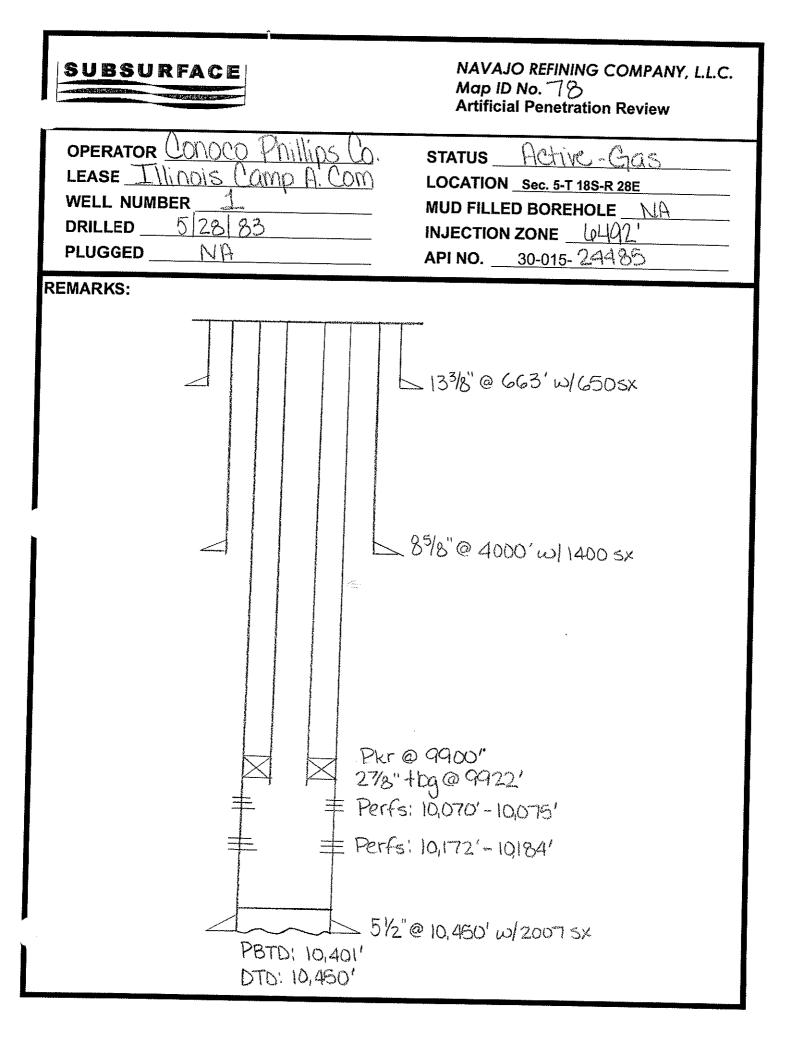
10. If I transfer well operations to another operator, the OCD must approve the change before the new operator can begin operations. See 19.15.9 9.8 NMAC. I remain responsible for the wells and related facilities and all related regulatory filings until the OCD approves the operator change. I understand 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.

Previous	Operator	New Operator	
Signature	Bafen Z Ig	Signature:	
Printed Name.	Bayless E Illy	Printed Name: <u>Daryl Sallage</u>	
Title:	Vice President	Title: <u>partner</u>	
Date:	10-b-11 Phone: 746-6915	Date: 19/12/11 Phone: 575-746-668,	/

### NMOCD Approval Electronic Signature: <u>Randy Dade, District 2</u> Date: October 12, 2011

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#### 1 Y MEXICO OIL CONSERVATION COMMIS IN WEL . LOCATION AND ACREAGE DEDICATION PLAT

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The second se			the outer boundaries of	LNB 30CLUM.	
}	lips Oil Comp	any		amp "A" Com.	Well No. 1
Unit Letter	Section 5	Township 18 South	Ronge 28 East	County Eddy	
Actual Footage Loc 1980		north line and	990	west	line
Ground Level Elev. advise later	Producing For Morrow	· · ·		and the second	Dedicated Acreage; 320.88
1. Outline th	e acreage dedica	ted to the subject well	by colored pencil of	r hachure marks on the	ACION
interest ar	d royalty). SEE	REVERSE SIDE			ereof (both as to working
3. If more the dated by c	n one lesse of d ommunitization, u	ifferent ownership is ded nitization, force-pooling.	icated to the well, etc?	have the interests of	all owners been consoli-
XX Yes	No If an	iswer is "yes," type of c	onsolidation <u>COMM</u>	JNITIZATION	
If answer i this form if	<pre>s "no;" list the (     necessary.)</pre>	owners and tract descript	tions which have ac	tually been consolidat	ted. (Use reverse side of
No allowab forced-pool sion.	le will be assigne ing, or otherwise)	d to the well until all int or until a non-standard un	terests have been o nit, eliminating suc	onsolidated (by comm h interests, has been a	unitization, unitization, approved by the Commis-
Lot 4	DI Lot 3	C Lot 2	B Lot 1	AL	CERTIFICATION
			1		rtify that the information con- In is true and complete to the
<u>Tr. 1</u>	$\frac{\text{Tr. 2}}{\text{CAS TS}}$		<u>Tr. 13</u>		knowledge and belief.
	E t	NOT DEDICATED	 	W. J. M	eller
<u>Tr. 4</u>	" <u>Tr. 5</u>		Tr. 6	Position Sr. Engin	neering Specialist
990'0	#1		J T	Company PHILLIPS Date	OIL COMPANY
			 	May 20.	1983
********	L  	K	J	I haraby c	ertify that the well location
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	ו 		676	knowledge a	i i i i i i i i i i i i i i i i i i i
	1	N HE KR		P Date Surveyed	
	1 +	10m	W. WEST		fessional Engineer
				and/or Land St	mluliket
330 686 .80		2810 2840 2000	1100 1000 800	John W. We	est, NM L.S. No.676

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Tract 1 (Lot 4) - NW/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest 'wners: Holly Energy, Inc. 29.16667 % Read & Stevens, Inc. 4 16667 % Amoco Prod. Co. 20.00000 % American Petrofina Co. of Texas 11.11111 7 Rogers Aston, et al 22.22222 % Rogers Aston & The First Nation Bank in Dallas, Co-Trustees of the "C" Trusts U/W of Bert Aston, Dec'd. 11.11111 2 Rogers Aston 3.70370 % Charles Albert Aston 3.70370 % Lincoln Aston 3.70370 % Royalty Interest Owner: State of New Mexico, Lease No. B-11594 Tract 2 (Lot 3) - NE/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owners: Amoco Prod. Co. 50.00000 % Cities Service Co. 47.39584 % Tracy Clark 1.30208 % Robert E. Boling & Mary Z. Boling 1.30208 % Royalty Interest Owner: State of New Mexico, Lease No. 647 Tract 3 (Lots 1 and 2) - N/2 NE/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owner: Amoco Prod. Co. 100 % Royalty Interest Owner: State of New Mexico, Lease No. B-3823 Tract 4 - SW/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owner: Aminoil USA, Inc. 100 % Royalty Interest Owner: State of New Mexico, Lease No. E-7179 Tract 5 - SE/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owner: Tenneco Oil Co. Royalty Interest Owner: State of New Mexico, Lease No. E-2715 100 % Tract 6 - S/2 NE/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owners: Marathon Oil Co. 75 % Cities Service Co. Royalty Interest Owner: State of New Mexico, Lease No. 647 25 %

Phillips 0il Company ownership in the above leasehold will be earned through previously executed Farmout Agreements with Marathon 0il Company, Aminoil USA, Inc.

STATE OF NEW ME	()CO				TRANS		- 30-	010-24400
ENERGY AND MINERALS DEP		i L,	. CONSERVA р. о. вох	TION DIV	1515	1000	Form C-10	
			Р. О. ВОХ	(2088	MAT 23	1983	Revised 1	0-1-78
DISTRICUTION			ANTA FE, NEW		7501		SA. Indica	te Type of Lease
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\$	<del>,</del>		API # 30-015	_ <i>•</i>	ARTESIA. (	OFFICE	.S. State Of	I & Cus Logas Nu.
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OPERATOR						•	TITT	TTTTTTTTTTTTTTT
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Phillips Oil Co	npany						ł	•
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23.								· · · · · · · · · · · · · · · · · · ·
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STATE OF NEW MEXICO .	V
ENERGY AND MINERALS DEPARTMENT	•
OIL CONSERVATION DIVISION	• • • • • •
DISTRIBUTION P. O. BOX 2088	Form C-103 - Revised 19-1-78
SANTA FE, NEW MEXIAO TO 811983	
U.S.O.S.	5a. Indicate Type of Leuse
LAND OFFICE O. C. D.	Staie X Fee
API No. 30-015- ARTESIA. OFFICE	5. State Oil & Gas Lease No.
	E-7179
SUNDRY NOTICES AND REPORTS ON WELLS (00 NOT USE THIS FORM FOR PROPOSALS TO FRILL ON TO DECECTION AF DUG BACK TO A DIFFERENT RESERVOID. USE TAPPLICATION FOR PERMIT	
USE "APPLICATION FOR FERMIT -" (FORM C+101) FOR SUCH PROPOSALS.}	7. Unit Agreement Name
Name of Operator	8. Farm of Lease Hame
Phillips Oil Company	7111
, Address of Operation	<u>Illinois Camp A COM</u> 9. Well No.
Room 401, 4001 Penbrook, Odessa, Texas 79762	
Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER E 1980 PEET FROM THE NOTTH LINE AND 990 PEET FROM	Empire Penn Morrow Gas
UNIT LETTER E 1900 PEET FROM THE LINE AND 990 PEET FROM	ammmittinittin
West LINE, SECTION 5 TOWNSHIP 18-S ASHEC 28-E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	Eddy
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	er Data
NOTICE OF INTENTION TO: SUBSEQUENT	
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	PLUS AND ABANDONMENT
AULL OR ALTER CABING	
OTHER TOTAL Depth	X
\$748 *	
2. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	situated date of starting any proposed
work) SIE RULE 1 103.	
5-30-83: MI & RU MGF drlg rig. Spudded 17-1/2" hole 5-28-83. Set 16	ite of 13-3/8"
54.5 K-55 Buttress csg @ 663'. Howco cmtd w/650 sx class "	C" w/2% CaCl +
1/4# Flocele/sx. Circd 169 sx to pit. Total WOC 18 hrs. Ts	td BOP to 600#
for 30 mins, OK.	
5-31 thru	
6-9-83: Drlg.	
6-10,11,12-83: Set 94 jts of 8-5/8", 32#, k-55. ST & C scg @ 4000'. H	owco cmtd w/1400
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele	followed by 200
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sy to surface Total WOC 18 brs	followed by 200
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.	followed by 200
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg.	followed by 200 Tstd BOP to 3000#
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.	followed by 200 Tstd BOP to 3000#
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, 0K. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf	followed by 200 Tstd BOP to 3000# ace.
<pre>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, 0K. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210',</pre>	followed by 200 Tstd BOP to 3000# ace.
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<ul> <li>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.</li> <li>6-13,22-83: Drlg.</li> <li>6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf</li> <li>6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs.</li> </ul>	followed by 200 Tstd BOP to 3000# ace.
<ul> <li>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.</li> <li>6-13,22-83: Drlg.</li> <li>6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf</li> <li>6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs.</li> </ul>	followed by 200 Tstd BOP to 3000# ace.
<pre>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip: 5000# WP, double gate w/one annular preventer.</pre>	followed by 200 Tstd BOP to 3000# ace.
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip: 5000# WP, double gate w/one annular preventer.	followed by 200 Tstd BOP to 3000# ace. 7494-7502'. Trip for new
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip 5000# WP, double gate w/one annular preventer.	followed by 200 Tstd BOP to 3000# ace.
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip 5000# WP, double gate w/one annular preventer. 18. 1 berefor confir that the information above is true and complete to the best of mr knowledge and belief.	followed by 200 Tstd BOP to 3000# ace. 7494-7502'. Trip for new August 1, 1983
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip: 5000# WP, double gate w/one annular preventer.	followed by 200 Tstd BOP to 3000# ace. 7494-7502'. Trip for new

- 6-27-83: Drlg. 58304 6-28-83: Drlg breaks: 819998229, no show, 8304-8315, no show; 8331-8348, no show. 30-40 unit 88 gackground gas. 391' in 10-3/4 hrs.
- 6-29 thru 7-7-83: Drlg. 7-8,9,10-83: Drlg. TD'd 797/8" hole @ 10,450. Circd 3 hrs & POOH. Rigged up Schlumberger & logging.
- 7-11-83: Schlumberger ran LDT/CNL/GR/ Cal, DLL/RXO/GR Cal, BHC Sonic.
- 7-12-83: Set 44 jts of 5-1/2" 20# N-80 LT&C Csg & 262 jts of N-80 LT & C csg & 3 jts of 20# N-80 LT & C csg @ 10,450'. Circd 1 hr. Howco cmtd w/1472 sx class "H" w/1/10% LWL. Circd 100 sx cmt on 1st stage. 2nd stage pmpd 235 sx class "H" w/20% DD & 1/4#/sx Flocele followed by 300 sx Class "H" neat. Set 5-1/2" slips & cut off & ND. Rel rig.
- 7-13-83: Ran temp survey. TOC @ 4040'. Prep to complete--WO completion unit.

#### STATE OF NEW MEXICO

## INCLINATION REPORT

#### ONE COPY MUST BE FILED WITH EACH COMPLETION REPORT

API# 30-015-24485

Field Name Empi	re Penn Gas	County Eddy	
		Room 4	D1.
Operator Phill	ine Oil Company	Address 4001 Pe	
operator <u>clines</u>	the out numbers		
Lease Name Illin	of a Come & COM	Well No. 1	79762
bease name	OIS Lamp A LOM		
Location Unit		From the Names	Line and 990 feet from
WCaciton onit	<u> </u>	L LLOW CHC_ NOTER	rine and 990 reet from
** .	line of Section	5 Township	<u>18-5</u> , Range 28-E
West		<u></u> , 104:05:12P	10-3, Kange_20-E
		INCLINATION	
	Angle of		Angle of
Depth (Feet)	Inclination (Degrees)	Depth (Feet)	Inclination (Degrees)
340	3.1/	3,553	1-1/4
<u>64</u> 0	2	3,705	1-1/2
745	2-3/4	3.753	1-1/4
775	2-1/2	3,861	1-1/2
830	2	4,000	1
891	2	4,085	1
1,179	1	4,239	1 -
1,273	1-1/4	4,382	1-1/2
1,335	<u> </u>	4,396	$\frac{1-1/2}{1-1/2}$
1,390	1-3/4	4,490	1-1/2
1,461	1-1/2	4,550	1-3/4
1,556	1-1/2	4,640	2
			<b>**</b>
1,675	1-1/4	4,750	2-1/4
1,836	1-1/4	4,800	1-3/4
1,931	1-1/4	4,925	2-1/4
2,050	1-3/4	4,956	2-1/4
2,140	1-1/2	5,021	2
2,265	1-1/2	5,084	2-3/4
2,365	2	5,145	2-3/4
2,425	2	5,210	2-3/4
2,490	1-1/4	-5,270	3-1/4
2,550	2	5,292	3-1/4
2,615	1-1/2	5,336	3-1/4
2,678	1-1/4	5,400	3-174
2,740	1	5,462	3-1/2
2,830	1-1/4	5,525	3-1/2
2,930	1-1/4	5,587	3-1/4
2,990	$\frac{1}{1-1/2}$	5,650	2-3/4
3,050	$\frac{1-1/2}{1-1/4}$	5,712	2-3/4
3,145	$\frac{1-1/4}{1-1/4}$	5,775	2-3/4
3,210	$\frac{1-1/2}{1-1/4}$	5,837	2-1/4
3,303	<u> </u>	5,900	$\frac{2-1/4}{1-3/4}$
3,395		5,962	2-1/4
しょうフリ	<b>▲</b>	~ 5 ~ ~ ~	~~×/ <del>~</del>

I hereby certify that I have personal knowledge of the data and facts placed on this form and that such information given above is true and complete.

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r.	Engine	ering	5 Spec	ialist	

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W. J. Mueller

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Audrey J. Jacks Wary 7. Yacks Notary Public in and for Extor County, Texas

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My Commission Expires

November 30, 1984

6,001 6,120	1-3/4 3
6,183	3
6,245 6,350	2-3/4 2-3/4
6,432	2-3/4
6,535 6,571	1-1/2 1-1/2
6,780	1-1/2 1-3/4
6,900 7,040	2 1-1/4
7,436	1-1/4 1-3/4
7,830 8,185	3/4
8,620	1-1/4 1-1/4
9,000	1-1/4
9,500 10,450	3/4 1-3/4

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Continued Inclination Report Page 2 Illinois Camp A Com Well No. 1

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STATE OF NE	W MEXICO										Form C-1 Revised	05 10-1-78
ENERGY AND MINERA	LS DEPART	MENT				TION						
			OIL.			TION D	1115	IUN .	ſ	-		of Lease
DISTRIBUTIO	N				P, O, BO					Slate	XX	Fee
SANTA FE			SA	NTA F	E, NEW	MEXICO	8750	01	ſ	5. State	Oil & Gu	s Leane No.
FILE	L.	1	API 30-	-015-2/	485			/		E-7	179	
U.S.G.S.	4	📖 WELI	L COMPLE	TION C	R RECC	MPLETIO	N REP	ORT AND	) LOG į	11111	TTT	mmm
LAND OFFICE						<b>MANNAL PROPERTY</b>	121131121	 XXXXXXXXXXXXXX		illli	1111	
OPERATOR					······································	.V		11.11		7. Unit A	7/7/7	
IC. TYPE OF WELL	BAM									7. 0111 7	iqi "emen	, itome
	5	412 WELL	GAS WELL	<b>xx</b>	0 N V	DTMCP.	<b>.</b>			·····		
5. TYPE OF COMPLE				_		AU	G16	1983		6. Farm	or Lease	Name
NEW TY NO		058 PEN	PLUG BACK		ESVN.	07468				Illind	ois Ca	mp A COM
Name of Operator						Č	. C. I	٦		9, Well N	ю.	
Philli	ips Oil -	Company					SIA OF				1	
Address of Operator				·······			SIA. OF	24 <b>CE</b>		10 Field	and Poo	ol, er Wildcat
		l Penbr	ook Stre	et. Od	lessa.	TX 79762			i	Em pin	e Pon	n CAS
							· · · · · ·			777777 777777	7777	
. Location of Well									ŀ	/////	/////	/////////
									L L	11111	11111.	MMMM
HIT LETTER	LOCATE	1980		-	north	LINE AND	99	0 ret	T FROM	11111	1111,	MMMM
····· ••••····						ann a	1111	anna	$\eta \eta \eta$	12, Coun	ty	THINK W
west Link or	5	~	18S	. 28E	ныры		1111	YIIII	IIII	Eddy		AIIIIII
5. Deve Spudded	16 Date "	T.D. Heach	ed 117. Date	Compl. //	leady to F	Prod./ 18.	<u>Cievatio</u>	ns IDF, RK	R. RT. GI	R. etc.)	9. Elev.	Coshinghead
5-28-83	7-10-		8-10			1		2654'				-
					11.54.107.01	and a second		2004		Tools		ble Tools
C. Total Depth		), Plug Bac	ж т. <b>D</b> .	22.	Many	ie Compl., Ho	<b>*</b>   23	Drilled By	* *		100	
10450		10401			n	10			0-1	0450'	<u> </u>	
4. Producing interval(											25. ¥a Ma	s Directional Surv
Morrow - top	10,005	; bott	om 10,40	1'							1	no
6. Type Electric and C	Ther Locs F	lun	,,,		······	w <b></b>				27	. Was We	ll Cored
DT, CNL/GR ca			O-GR. BH	C Soni	c						-	
							<u>.</u>			<u></u>	no	
: <b>H</b> .			CAS	ING REC	ORD (Rep	ort all string	s set in					
CASING SIZE	WEIGHT	T L 9./FT.	DEPTH	SET	ног	.E SIZE		CEMENTI				AMOUNT PULLED
13 3/8"	54.5#		663'		17.1	/2"	<u>650sx</u>	<u>Class C</u>	w/2%	CaC1&1	/4#F1	ocele/sx.19
8 5/8"	32#		4000'		111"	1	400 sx	Class	C w/20	%DD	dir	c 300sx.
&5#G	ilsonite	a &1/4#	Flocele	/sx &	20 sxC							
5 172"	20#		10450				see	reverse	side		Te	mpTOC4040'
		LINED	RECORD		1		30			BING RI		<u> </u>
1.				r					,	TH SET		
SIZE	TOP	Ŧ	MOTTOR	SACKS	EMENT	SCREEN		SIZE	{ D£+			PACKER SET
											····	
							2	7/8"	9922		- 9	900
							2	7/8"	9922		- 9	900
		te and numi	berj			32.	<u> </u>	7/8"				
		te and numi	berj				ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	
), Perforation Aattord	(Interval, siz						<u> </u>	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
Perforation Rattord	(Interval, siz			oles			ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
Perforation Rattord	(Interval, siz			bles			ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
), Perforation Aattord	(Interval, siz			oles			ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
Perforation Rattord	(Interval, siz			oles		DEPTH	ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
 1. Perforation Factors 10172-84' & 10	Interval, six 0070-75' 22 attac	', 4 JSI	PF, 68 h				ACID, S	HOT, FRAG	CTURE, C	EMENT	SQUEEZ	E, ETC. TERIAL USED
 Perforation Forcord 10172-84' & 10 See Form C-12	Interval, six 0070-75' 22 attac	', 4 JSI	PF, 68 h			DEPTH	ACID, S	HOT, FRAG	CTURE, C	EMENT	SQUEEZ	E, ETC.
 Perforation Reford 10172-84' & 10 See Form C-12 Cte Firel Production	(Interval, sit 20070-75* 22 attac	, 4 JSI <u>ched</u> Production	PF, 68 h				ACID, S	HOT, FRAG	CTURE, C	EMENT NT AND	SQUEEZ KIND MA	E, ETC. TERIAL USED d. or Shui-inj
. Perforation Forcord 10172-84' & 10 See Form C-12 Ste First Production 3-10-83	(Interval, sit 20070-75* 22 attac	, 4 JSI	PF, 68 h	ving, gas Prod'n.	lift, pump		ACID, S INTER d type p	HOT, FRAG	AMOU	EMENT NT AND	SQUEEZ KIND MA	E, ETC. TERIAL USED d. or Shut-inj nding_conne
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 Perforation Astronom 10172-84' & 10 See Form C-12 Cto First Production 8-10-83 Uto of Test 3-10-83 Low Tubing Press.	(Interval, six 0070-75* 22 attac hows Test Casing Pre	ched Production Flwg red C	PF, 68 h	Prod'n. Test P	For eriod	UCTION Gas - N	ACID, S INTER d type p Ga (CF	ump)	AMOU	EMENT NT AND Well Sic shut - Bbi.	SQUEEZ KIND MA Inus (Pro Gua 21. ( 21. (	E, ETC. TERIAL USED d. or Shut-inj nding_conne- XXXXXX011qu:
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I. Perforation Forcord 1. Perforation Forcord 10172-84' & 10 3.See Form C-12 cto First Production 8-10-83 too Test 8-10-83 tow Tubing Press. 1993 Disposition of Gas (	Interval, six 2070-75* 22 attac hows Test Casing Pro pkr Sold, used f	thed Production Flwg	PF, 68 h( Method (Flow Choke Size Calculated 24 four finite ried, etc.)	Prod'n. Test P	For eriod	UCTION Gas - N	ACID, S INTER d type p Ga (CF	ump)	Wates Bbl.	EMENT NT AND Wall Sic shut - Bbl. C	SQUEEZ KIND MA Trus (Pro. Cas. 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21.	E, ETC. TERIAL USED d. or Shut-in) nding_conne- X004KSNo 11qu 9 Mcf/bb1
I. Perforation Forcord 1. Perforation Forcord 10172-84' & 10 3.See Form C-12 cto First Production 8-10-83 too Test 8-10-83 tow Tubing Press. 1993 Disposition of Gas (	Interval, six 2070-75* 22 attac hows Test Casing Pro pkr Sold, used f	thed Production Flwg	PF, 68 h( Method (Flow Choke Size Calculated 24 four finite ried, etc.)	Prod'n. Test P	For eriod	UCTION Gas - N	ACID, S INTER d type p Ga (CF	ump)	Wates Bbl.	EEMENT NT AND WHII SIC Shut Bbi.	SQUEEZ KIND MA Trus (Pro. Cas. 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21.	E, ETC. TERIAL USED d. or Shut-in) nding_conne- X004KSNo 11qu 9 Mcf/bb1
 Performing Restored 10172-84 & 10 3.See Form C-12 cre First Production 8-10-83 with of Test 8-10-83 low Tubing Press. 1993 Disposition of Gen (	Interval, six 2070-75* 22 attac hows Test Casing Pro pkr Sold, used f	thed Production Flwg	PF, 68 h( Method (Flow Choke Size Calculated 24 four finite ried, etc.)	Prod'n. Test P	For eriod	UCTION Gas - N	ACID, S INTER d type p Ga (CF	ump)	Wates Bbl.	EMENT NT AND Wall Sic shut - Bbl. C	SQUEEZ KIND MA Trus (Pro. Cas. 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21.	E, ETC. TERIAL USED d. or Shut-in) nding_conner Southano 11qu: 9 Mcf/bbl
IN Performing Addition 1. Performing Addition 10172-84 & 10 3.See Form C-12 are First Production 8-10-83 when of Test 8-10-83 Nor Tubing Press. 1993 1. Disposition of Gas ( Shut in pendir 2. List of Atlachments	Interval, six 22 attac hows Test Casing Pre pkr Sold, used J ng gas c	ehed Production Flwg red for fuel, ven	PF, 68 h Method (Flow Choke Size Colculated 24 How Hate	Prod'n, Test P XXX - E	For eriod	UCTION Gas - N	ACID, S INTER d type p Ga (CF	ump)	Wates Bbl.	EMENT NT AND Wall Sic shut - Bbl. C	SQUEEZ KIND MA Trus (Pro. Cas. 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21.	E, ETC. TERIAL USED d. or Shut-in) nding_conner Southano 11qu: 9 Mcf/bbl
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	Interval, sit 22 attac 22 attac 23 attac 24 atta	thed Production Flwg red C cor fuel, ven connection	PF, 68 ho Method (Flow Choke Size Colculated 24 four flate flow flate	Prod'n, Test P. XXX - E 11	For eriod 3biCond 19	DEPTH UCTION Ing - Size on OII - Bbl. Gas - N 261.	ACID, S INTER INTER d Lype p Ga (CF	ump) s MCF	Water Water Bol.	Wilnesaed	Itus (Pro in per 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21.9	E, ETC. TERIAL USED d. or Shut-in) nding_conne- X004KSNo 11qu 9 Mcf/bb1
	Interval, sit 22 attac 22 attac 23 attac 24 atta	thed Production Flwg red C cor fuel, ven connection	PF, 68 h( Method (Flow Choke Size Calculated 24 How Hate sted, etc.) Lon	Prod'n. Test P XXX - E 11 13 19 19 19 19 19 19 19 19 19 19 19 19 19	For eriod 3biCond 19	DEPTH UCTION Ing - Size on OII - Bbl. Gas - N 261.	d type p Ga Ga CF	ump) s MCF Wator	Water Water Bol.  Rich: knowledge	Wilnesaed	Itus (Pro in per 21.9 21.9 21.9 21.9 21.9 21.9 21.9 21.9	E, ETC. TERIAL USED d. or Shut-in) nding_conne- XXXXXXx011QU 9 Mcf/bbl IV - API (Corr.)

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#### INSTRUCTIONS

This form is to be filed with the oppopulate Divider Office of the Division not later than 20 days after the completion of any newly-diffed or despend well. It shall be accompanied by one copy of all electrical and indiventivity logs run on the well and a summary of all special tests conducted, lactuding difficient tests. All diplics experted shall be measured depths. In the case of directionally diffed wells, two vortical depths shall olso be reported. For multiple considerious, items 30 through 34 shall be reported for each zone. The form is to be filed in granuplicate except on state tend, where six copies are required. See lister 1105.

# INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southea	stern New Mexico	Northwestern New Merico
Т.	Anhy	T. Canyon8630	Т. Ојо АlanoТ. Репг. "В"
1.	Shit	T. Strawn 9199	T. Kirtland-Fruitland T. Punc #CH
В.	Sn11	T. Aloka 9656	T Pictured Cliffs T Dens (101)
т.	Ystes		T. Cliff House T. I adduille
т.	7 Rivers	T XXXXXXXX	T. Cliff House T. Leadville 5. T. Menefee T. Medison
Τ.	Queen	_ T. Chester Shale 1024	Z. T. Point Loskout
Υ.	Grayburg	_ T. MissoysLime1039	L3_ T. Mancos T. McCracken
т.	San Andres	- T. Simpson	T. Gallup T. Ignacio Qczte
т.	Glorieta	_ T. McKee	Base Greenhorn T. Granite
т.	Paddock	- T. Elicoburger	T. Dakota T T.
т.	Blinebry	- T. Gr. Wash	
τ.	Торь	- T. Gradule	T. Todito T
т.	Drinkard	- T. Delaware Sand	T. Entrada T
т.	Abo <u>5700</u>	T. Bene Soones	T. Wingste T
т.	Wolfcamp 6877	т	T. ChinleTT.
т.	Penn.	- T	T. PermianT.
T (	Cisco (Bough C) 8152	- T	T. Penn "A"T.
No	l irom		AS SANDS OR ZONES
****			No. 4, from
No. 2	, from		
No. 3	, from	to	No. 6, from

#### IMPORTANT WATER SANDS

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

3

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No. 1, from	
No. 2. from	
No. 3, frem	
No. 4, from	

# FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Tinckness in Feet	Formotion
0	715	715	Surface rock		······		· · · · · · · · · · · · · · · · · · ·
715	2080	1365	Anhydrite	1			
2080	2905	825	Anhydrite, lime				
2905	5708	2803	Lime				
5708	6928	1220	Lime, shale				
6928	7758	830	Lime, dolomite	Item 28	: Cmtd	51/2	' csg w/1472 sx Class C
7758	9570	1812	Lime, shale	w/10%Lu	L:oper	ed DV	6500, circ 100sx. Cmtd w/
9570	9716	146	Lime, chert	235 sx	w/20%1	D & 1/2	#Flocele/sx & 300sxClass H
9716	9989	273	Lime, shale	WOC, ra	n tem	surve	, TOC 4040'
9989	10190	201	Lime, shale, sand		1		1 400 4040
10190	10260	70	Lime			ſ	
10260	10329	69	Lime, shale		[		
10329	10450	121	Shale				
						1	
l			•				
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# **BENNETT - CATHEY** (505) 746-3354 / Artesia, New Mexico 8c., 10

SUBSURFACE PRESSURE MEASUREMENTS

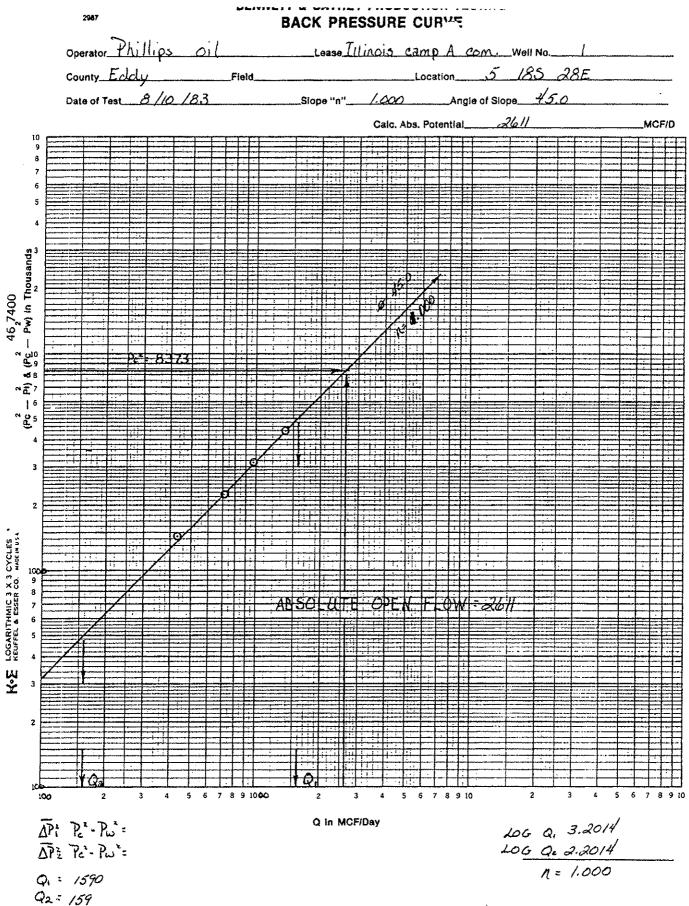
							<b>.</b>
COMPANY	<u>PHILLIPS</u> 8-10-93	014	WE	ELL NAME	LINOIS CA	AMP "A"	
Date of Test Company Man		HAWKINS	_FORMATION		· · · · · · · · · · · · · · · · · · ·		PAGE_1_OF_1
		DINGS AND CALC					
ELEME	NT NUMBER	RPG3#46950		RANGE		•	<u> </u>
CLOCK	NUMBER	1935		RANGE	12 HOUR		<u>~</u>
		RPG3#46951		RANGE	7000 LBS.		
	NUMBER			RANGE	12 HOUR		
TIME W	ELL SHUT IN.	<u>N/A</u>					
		D 0743 HOUR	8-10-83				
		IENT ON SURFACE		2 PSIA S			_LBS.
TIME EL	_EMENT REAC	CHED BOTTOM	1017 1	<u> 40UR 8-1</u>	0-83		
DEAD W	VEIGHT ELEM	ENT ON BOTTOM	2892.3	<u>2 PSIA SH</u>	UT IN		LBS.
		10,250					FEET
		10,250		FT	162		°F.
2006	PSIA	DEAD WEIGH	TAT THE EN	D OF4	HOURS	0MIN	NUTES
		4 POINT BAC	K PRESSU	RE TEST			
DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
8-10-83	SIP		1	4014		4027	
	T			1		1	
START TEST	0	1100		3971	13.2	3984.2	
	1/4	1115		3748	13.2	3761.2	
	1/2	1130		3724	13.2	3737.2	1
······································	3/4	1145		3712	13.2	3725.2	
END RATE 1	1	1200		3709	13.2	3722.2	
	<u>†</u>	1200		1,20,9			
	1 1/4	1215		3611	13.2	3624.2	
	1 1/2	1230		3557	13.2	3570.2	
	1 3/4	1245		3526	13.2	3539.2	
END RATE 2	2	1300		3510	13.2	3523.2	
IND KATE 2	<del>-</del>	1200		<u></u>	1).2	- 5525.2	
····	2 1/4	1315		3377	13.2	3390.2	
	$\frac{2}{2} \frac{1}{7}$	1330		3310		from the stand with the stand of the stand o	l
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ND RATE 3	3	1400	, <u></u>		13.2	3294.2	
IND KATE 3		1400		3265	13.2	3278.2	
	7 1/4	1/115		7101	17 0	7114 0	
	3 1/4 3 1/2	1415 1430		3101	13.2	3114.2	
			······	3002	13.2	3015.2	<u> </u>
	3 3/4	1445		2921	13.2	2934.2	
ND RATE 4	44	1500		2869	13.2	2882.2	
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NEW MEXICO OIL CONSERVATION : MASSION C/SF Form C-122 MULTIPO : AND ONE POINT BACK PRESSURL EST FOR GAS WELL Fle Reviewd 9-1-55

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Type Teal									Test Date		T	· · · ·	
	🖉 Initi	al 4-	POINT	🗌 Anni	iaț		🗌 s	perial	8-10	- 83			
Company	•	•	1	C	onnectio	n ·	·····			-03	+		·
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8-9-83	WL.		10	450	·····	l'eclorati	o, 486		365	8	ILLI	NOIS (	CAMP "A"
	1		4 770						_		Well N	φ,	***
5.500 Trui Size	-20-	<b>u</b>	<u>4.778</u>	10, AI	450	1.orlator	L <u>0,07</u> (	<u> </u>	<u>10,</u>	184	# 1 Unii		
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Type Well - SI	udia – fita	enheod	- 0.C. or G.	O. Mulatple	<u> </u>	L	Packor	Col AL		0	County		<u>85 28E</u>
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اند. محمد مردو جود به الاین انداز این اس این می بود. 			
ATATE OF NEW MEXICO AY AND MILITHALS DEPARTN	AENT		Form C-104 Revised 10-1-7
		VATION DIVISION	
DISTRIBUTION		BOX 2085	
F 11.8	SANTA PE, N	IEW MEXICO 87.501 AUG 1 (	1983
U.1.0.1.		· · · · · · · · · · · · · · · · · · ·	1303
LAND DITIL	REQUEST	FOR ALLOWABLE O. C.	<b>D</b>
TRANSPUNTER OAS	AUTHORIZATION TO TRA	AND	
CPERATOR .	AUTHORIZATION TO TRA	NSPORT OIL AND NATUR	API #30-015-24485
Operator		· · · · · · · · · · · · · · · · · · ·	
Phillips Oil Comp	any		
Address			
	nbrook Street, Odessa, Texas	s 79762	
Reason(s) for filing (Check pro		Qiher [Pirase e	iplainj
N+ W+II XXXX	Change in Transporter of:		· -
Recompletion		· Co• []	
Change in Ownership	Cosinghead Cas Con	ndenadia 🛄	*
If change of ownership give r and address of previous owne		•	•
U. DESCRIPTION OF WELL			•
Leose Name	well No. Pool Name, Including	· .	ind of Lease Le
Illinois Camp A Co	OM 1 Empire Penn	Si	erer Kasarakan E717
Location	1000		•
Unit Letter E ;i	1980 Feet From The north	Line and <u>990</u>	Feel From Therest
Line of Section 5	Township 18-S Range 2	8-е . Мири,	Eddy
	BARTER OF ALL IND NUTIDAL	<b></b>	
II. DESIGNATION OF TRANS	U CH OF CONCERNENCE	LAGATESS (Give address to v	which approved copy of this form is to be se
0111. 2.	T T	Aster Carton	
None of Autogrand Transporter	of Casinghead Gas or Dry Gas [2]		which opproved copy of this form is to be set
RI. H. R.I	, where it is a second s	JAN Luck	al Calor To a
If well produces oil or liquida,	Unit Sec. Twp. Rge.	Is gas actually connected?	When /
give location of tanks.	E 1 5 1 78 138	1.east	1-26-24
If this production is comming!	ed with that from any other lease or poo	/	mber:
V. COMPLETION DATA	Oll Well Gas Well		
Designate Type of Com	nletion = (X)		Deepen Plug Back Same Resty, Diff
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
5-28-83	8-10-83	10450	-
Elevations (DF, RKB, RT, GR, e		Top Oll/Gas Pay	10401 Tubing Depth
2667'DF, 2654'Gr	Morrow	10005- 10, 170	9922
Perforations		120000 10,000	Depth Cosing Shoe
10070-75', 10172-84	Ť		10450
	TUBING, CASING, AN	ND CEMENTING RECORD	· · · · · · · · · · · · · · · · · · ·
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17 1/2"	13 3/8"	663'	506xC lacsC.Circl95
11"	8 5/8"	4000'	<u> 1600sxClassC. Circ300</u>
7 778"	5 1/2"	10450"	2007stClHw/add.TempT06404
	27/8	9922	
Y. TEST DATA AND REQUES	T FOR ALLOWABLE (Test must be	after recovery of total volume ( depth or be for full 24 hours)	of load oil and must be equal to ar exceed to
OIL WELL Date First New Oll Run To Tanki		Producing Mathod (Flow, pu	mp, gas lift, etc.)
Date First New Cir Hun To Tone			×10.2
Length of Test	Tubing Presewe	Casing Pressure	Chose Size Post 6-83
			5-19-11
Actual Prod. During Test	Oil-Bbls.	Water - Bbls.	Gae-MCF heirf
		1	U
	fwd separate cover 8-15-83		
Actual Free. Tool-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
CAOF 24 hrs 40 = 261		119 BC	53 Choke Size
BP	2879	Casing Pressure ( Shut-1m. pkr	
			1 1/2" orifice
1. CERTIFICATE OF COMPLI	ANCE		SERVATION DIVISION

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ŧ	hashe contin that the rules and regulations of the Oil Conservation	APPR

ROVED FER 1 6 1984

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Myseller W. J. Mueller
Senior Engineering Specialist
(Tule) 8-15-83

Supervisor District II

TITLE \_

11

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

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

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

Fill out only Sections 1, 11, 111, and VI for changes of owner walt manus or number, or transporter, or other such changes of rundith

 $(\mathbf{x}_{i},\mathbf{y}_{i}) \in [\mathbf{x}_{i},\mathbf{y}_{i}] \in [\mathbf{x}_{i},\mathbf{y}_{i}]$ 

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FEB 13	1984
O. C. ARTESIA	

V

PHILLIPS 66

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EXPLORATION AND PRODUCTION GROUP Permian Basin Region

PHILLIPS PETROLEUM COMPANY

DATE: February Lu, 1984

ENERGY AND MINERALS DEPT. OIL CONSERVATION DIVISION ATTN: MR. W. A. GRESSETT DRAWER "DD" ARTESIA, NEW MEXICO 88210

#### NOTICE OF GAS CONNECTION

ODESSA, TEXAS 79762 4001 PENBROOK

Phillips Petroleum Company

B. Rush-Representative

Production Records Supervisor Rm. 215 Phillips Building

cc: To Operator Oil Conservation Commission - Santa Fe

		•••	L *	· · · · · · · · · · · · · · · · · · ·	:15F
			RECEIVE	D BY	"
			JUN 061	984	
PHILLIPS 66	PHILLIPS PETROLEUM COMPANY ODESSA, TEXAS 79762 4001 PENBROOK		O. C. I Artesia, Ci		
	EXPLORATION AND PRODUCTION GROUP Permian Basin Region	DATE:	June 5.	. 1984	

ENERGY AND MINERALS DEPT. OIL CONSERVATION DIVISON <u>ATTN:</u> MR. W. A. GRESSETT DRAWER "DD" ARTESIA, NEW MEXICO 88210 //

NOTICE OF GAS CONNECTION:

This is to notify the Oil Conservation Commission that connection for the purchase of gas from Phillips Oil Company Operator Illinois Camp "A" Com #1, E, O5-18-28, Empire/Penn Lease Well Unit S. T. R. Pool Phillips Petroleum Company, was made on May 16, 1984

Phillips Petroleum Company

J. B. Rush - Representative

Production Records Supervisor Rm. 215 Phillips Building

cc: Operator Oil Conservation Commission - Santa Fe PHILLIPS PETROLEUM COMPANY



ODESSA, TEXAS 79762 4001 PENBROOK OCT 15 1984 O. C. D. ARTESIA, OFFICE

RECEIVED BY

EXPLORATION AND PRODUCTION GROUP Permian Basin Region October 11, 1984

> Leasehold Production Requirements -Illinois Camp A Com No. 1 -Artesia Plant/Gathering Systems Gas Well Proration, Eddy County, New Mexico

Phillips Oil Company Box 2105, Hobbs, New Mexico 88240

Attention: Mr. A. A. Hochstein Area Manager

Gentlemen:

This will constitute authority for the physical production of the Phillips Oil Company Illinois Camp A Com Well No. 1, Empire Pennsylvanian Gas Pool, located in Unit E, Section 5, T-18-S, R-28-E, Eddy County, New Mexico, for one day and at a total production volume not to exceed 50 Mcf gas, on or before November 16, 1984. It is understood that the production to be allowed is in line with proration advice dated September 4, 1984, for the subject systems, and is expressly for leasehold purposes. It is also understood that the drillsite lease is further identified as State of New Mexico Oil and Gas Lease No. E-7179.

Production arrangements should be made with the appropriate Phillips Oil Company operating personnel.

Cordially,

E. E. Clark, Agent

THM:se

cc: Commissioner of Public Lands, State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87501 New Mexico Department of Energy Oil and Gas Division Drawer DD, Artesia, New Mexico 88210



## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP January 8, 1985 Permian Basin Region

> Leasehold Production Requirements -Illinois Camp A Com No. 1 - Artesia Plant/Gathering Systems Gas Well Proration, Eddy County, New Mexico

Phillips Oil Company Box 2105 Hobbs, New Mexico 88240

Attention: Mr. A. A. Hochstein Area Manager

Gentlemen:

This will constitute authority for the physical production of the Phillips Oil Company Illinois Camp A Com Well No. 1, Empire Pennsylvanian Gas Pool, located in Unit E, Section 5, T-18-S, R-28-E, Eddy County, New Mexico, for one day and at a total production volume not to exceed 50 Mcf gas, on or before January 16, 1985. It is understood that the production to be allowed is in line with proration advice dated September 4, 1984, for the subject systems, and is expressly for leasehold purposes. It is also understood that the drillsite lease is further identified as State of New Mexico Oil and Gas Lease No. E-7179.

Production arrangements should be made with the appropriate Phillips Oil Company operating personnel.

Cordially.

E. E. Clark Agent

RECEIVED BY JAN 111985 O. C. D. ARTESIA, OFFICE

THM/kjw REG3/ill

cc: Commissioner of Public Lands
 State of New Mexico
 P. 0. Box 1148
 Santa Fe, New Mexico 87501

New Mexico Department of Energy Oil and Gas Division Drawer DD Artesia, New Mexico 88210



# PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

March 20 1

O. C. D. ARTESIA, OFFICE

APR -3 1985

**RECEIVED BY** 

EXPLORATION AND PRODUCTION GROUP Permian Basin Region

March 28, 1985

Phillips Oil Company Box 2105 Hobbs, New Mexico 88240

Attention: Mr. A. A. Hochstein Area Manager

> In Re: Leasehold Production Requirements -Illinois Camp A Com No. 1 Artesia Plant/Gathering Systems Gas Well Promation, Eddy County, New Mexico

Gentlemen:

This will constitute authority for the physical production of the Phillips Oil Company Illinois Camp A Com Well No. 1, Empire Pennsylvanian Gas Pool, located in Unit E, Section 5, T-18-S, R-28-E, Eddy County, New Mexico, at a total production volume not to exceed 50 Mcf/D gas, on March 28 and 29, 1985. It is understood that the production to be allowed is in line with proration advice dated September 4, 1984, for the subject systems, and is expressly for leasehold purposes. It is also understood that the drillsite lease is further identified as State of New Mexico Oil and Gas Lease No. E-7179. This authorized production made may be repeated every other month.

Production arrangements should be made with the appropriate Phillips Oil Company operating personnel.

Cordially,

E. E. Clark Agent

EEC:THM:cjw

cc: Commissioner of Public Lands
 State of New Mexico
 P. O. Box 1148
 Santa Fe, New Mexico 87501

New Mexico Department of Energy Oil and Gas Division Drawer DD Artesia, New Mexico 88210 STATE OF NEW MEXICO

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TIGY MO MINERALS DEPARTMEN	Ţ			RECEIVED BY	(Chicky)
					NE 10-0 -78 IN 05-0 43
Vre VI		NSERVATIO		AUG 01 1989	
1/1/	SANTA	FE, NEW MEX		O. C. D.	
AME OFFICE ONL IV				ARTESIA, OFFICE	
CAS	RE	DUEST FOR ALLO	WABLE		•
	AUTHORIZATION 1	AND TO TRANSPORT O	HL AND NATURAL	GAS	
etaiot					
PHILLIPS PETROLI	EUM COMPANY				
4001 Penbrook	Odessa, Texas	79762	•		
stan(s) for filing (Check proper box)			Other (Please espi	lia/	
New Well Recomplication	Change in Transporter	els	Changed from	n	
Change In Quenership		Cantonano	Phillips Of	1 Company Augus	t 1, 1985
heavy of ewnership give name			* * * •		<b></b>
address of previous owner	PHILLIPS OIL COM	PANY 4001 Pe	nbrook Od	essa, Texas	
DESCRIPTION OF WELL AND	LEASE		•		
Illinois Camp A Com	1 Emp	incluting Formation ire Penn		of Louve Federal or Fee State	E7179
cullas				, read arrest State	15/1/9
Link Letter E 1980	) Feet Free The	North Line and	990 <b>r</b>	t From The West	
• 5	18-5		9_17		
Line of Section Term		Ranes 2	o-e , NMPM,	Eddy	Ca
ESIGNATION OF TRANSPO	DRTER OF OIL AND N	VATURAL GAS			· · · · · · · · · · · · · · · · · · ·
Phillips Petroleum Compa		- 1		th approved copy of this form	e is to be sent,
ime al Authorizes Transporter of Casin				a, Texas 79762	n is to be sent,
Phillisp Petroleum Compa			Penbrook Odess		
well preduces all or liquids,	Unit Sec. Twp.	Ree. Is yes a	etually connected?	when Root in	n 7
his production is commingled with	that from any other less	e or pool, rive com	mingling order numb	Kast 7 8-9-0	
·	-			Chg Or	- •
)TE: Complete Parts IV and V		····· II	<b></b>		
CERTIFICATE OF COMPLIAN	CE .		OIL CONSE	ERVATION DIVISION	•
reby certify that the rules and regulations	s of the Oil Conservation Div	ision have APPR	OVEDAUG		19
n complied with and that the information ; knowledge and belief.	fixed is conclude and complete to	the best of	ORIG	INAL SIGNED	
·			GEOLO	GIST - NMOCD	
		TITLI	•		
BRush	J. B. Rush			ed in compliance with R r allowable for a newly d	
Signature Braduction Becards Super	•	weil, t	his form must be ac	companied by a tabulation accordance with AULS	on of the dev
Production Records Superv	/1301	A	I sections of this fo	we must be filled out cen	
July 25', 1985		epte o	a new and recomple	tod wells.	

(Dece)

Fill out only Sections 1. II. III. and VI for changes of c well name or number, or transporten or other such change of conc

Separate Forms C-104 must be filed for each pool in mu

ENERGY AND MINERALS DEPAR	JIL CONSERVA	TION DIVICIC	
DISTRIBUTION SANTA FE			
	Р. О. ВО		Form C-103
		V MEXICO 87501	Revised 10-1-2
	RECEIVED BY	- MEXICO 37301	So. Indicate Type of Lease
V.S.O.S.			
LAND OFFICE	AUG 20 1986		State K Fee
OPERATOR V	MUG 20 1986		5. State Oil 6 Gas Lease No.
		API No. 30-015-2448	5 E-7179
SUI	DRY NOTICES AND REPORTS ON	WELLS	
DO NOT USE THIS PORM FO	PAOP SALS TO WALL OR TO OFTEN OR PUG	BACK TO A DIFFERENT RESERVOIR. CH PROPOSALE.]	
1.			7. Unit Agreement Name
**** 🗆 **** 🗵	57H CR+		
Nome of Operator			8. Farm of Lease Name
	Company		Illinois Camp A COM
Phillips Petroleum	Sompany		9, Well No.
3. Address of Operator			
	t, Odessa, Texas 79762		1:
4, Location of Well			10, Field and Pool, or Wildcat
LETTER	1980 north	990	Empire Penn
9877 557 (97 <u></u>			
west une	5 Township 18-5	28-Е	
THE WESL LING, A	CTION TOWHERIP	RANGE	~~~`{{}}}}}}))))))))))))))))))))))))))))
mmmmmm	15, Elevation (Show whether	DE BT CR etc.	i2, County
		Dr, AI, OA, Recy	
	2654 'GR		Eddy
it. Che	k Appropriate Box To Indicate N	Nature of Notice. Report or	Other Data
	INTENTION TO:	-	ENT REPORT OF:
		0005200	
С		· · · · · · · · · · · · · · · · · · ·	
PLAFORM SEMEDIAL WORK	FLUE AND ABANDON	NEMEDIAL WORK	ALTERING CABING
TEMPORARILY ASANDON		COMMENCE DRILLING OPHS.	PLUS AND ABANDONMENT
AULE OR ALTER CASING	CHANGE PLANS	CARING TENT AND CEMENT JOB	
		other Clean out tra	c sand w/coiled tbg unit
AT	<b>П</b>	& return to p	roduction
	· · · · · · · · · · · · · · · · · · ·		
	t Operations (Clearly state all pertinent det	ails, and give persinent dates, inclu	ding estimated date of starting any proposed
work) SEE AULE 1103.			
7-16-86: 10401'PTD		bg to depth of 4200',	developed a hole
7-16-86: 10401'PTD	RU coiled tbg unit. Ran the in 1" tbg & pulled from w		developed a hole
7-16-86: 10401'PTD	in 1" tbg & pulled from w	ell.	developed a hole
7-16-86: 10401'PTD		ell.	developed a hole
7-16-86: 10401'PTD 7-17 thru	in l" tbg & pulled from w Last test: 0 BO, OBW & 0 h	ell. MCFG.	
7-17 thru	in l" tbg & pulled from w Last test: 0 BO, OBW & 0 h	ell. MCFG.	
	<pre>in 1" tbg &amp; pulled from w Last test: 0 BO, OBW &amp; 0 M WIH w/1" tbg &amp; washing to</pre>	ell. MCFG. ol, fost circ at dept	h of 7200'. Shut off
7-17 thru	<pre>in 1" tbg &amp; pulled from w Last test: 0 BO, OBW &amp; 0 D WIH w/1" tbg &amp; washing to nitrified circ fluid and d</pre>	ell. MCFG. ol, fost circ at dept displaced tbg with nit	h of 7200'. Shut off rogen, foam displaced
7-17 thru	<pre>in 1" tbg &amp; pulled from w Last test: 0 BO, OBW &amp; 0 F WIH w/1" tbg &amp; washing to nitrified circ fluid and o from tbg very thick and h</pre>	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping
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SITP 200 psi. Bled well down. Swbd 8 hrs, rec 57 BW. Well kicked off flowing. Put well on line.	:98-52-2
tbg-csg annulus with 2% KCL water & tested to 500 psi for 30 min, held ok. Swbd 4 hrs, rec 14 BW.	
5-1/2" Big-Bore Lok-Set pkr, 10' 2-3/8" Sub, F-Nipple, 365 Jts 2-3/8" tbg internally tested to 5000 psi above slips, Set pkr at 9900' with 11000# compression. ND BOP, NU wellhead. Loaded	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	( 1003) .98-76-2

Fiwd 24 hrs on 29/64" choke, rec 450 MCFGPD.

Fiwd 24 hrs on 29/64" choke, rec 450 MCFGPD.

Job complete.

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:98-12-1

:98-97-2



LANTA PE	ICE Form C-104 Revised 10-01-78 Ports C-104 Revised 10-01-78 Formati 04-01-49 Page 1 P. O. BOX 2058 FE, NEW MEXICO 87501 QUEST FOR ALLOWABLE
AUTHORIZATION T	AND TO TRANSPORT OIL AND NATURAL GAS
. PHILLIPS PETROLEUM COM	IPANY
4001 Penbrook Ode:	essa, Texas 79762
Ressan(s) for filing (Check proper bas)	Other (Please explain)
New Well Change in Transporter     Recompletion     Call	KX Dry Gee Effective date
Change in Ownership Casinghord Gas	Contenses 1-1-86
Unit Letter E 1980 Feet From The Nor	rth Line and 990 Feet From The West
Lacenten E 1980 Food From The Nor Unit Lotter E 7000 Food From The Nor Line of Section 5 Township 185 IL. DESIGNATION OF TRANSPORTER OF OIL AND N Version of Amberiand Townships of Contenants 6	Penn     State     E717       rth_Line and     990     Feet From The     West       Range     28E     NACPAG     Eddy     Course       NATURAL GAS     Address (Give address to which approved copy of this form is to be sent)
Line of Section E 1980 Feet From The Nor Line of Section 5 Township 18S III. DESIGNATION OF TRANSPORTER OF OIL AND N Name of Authorized Transporter of Cli Contensate 6 Phillips Petroleum Company-Trucks 2011	Penn     State, Federat or Fee State     E717       rth     Line and     990     Feet From The     West       Rance     28E     Nutput,     Eddy     Court       NATURAL GAS     Address (Give address to which approved copy of this form is to be sent)     4001 Penbrook, Odessa, Texas 79762       If Address (Give address to which approved copy of this form is to be sent)
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Levention Unit Letter_E	Penn       State, Federal or Fee State       E717         rth_Line and       990       Feet From The       West         Ramee       28E       NutPM,       Eddy       Cau         NATURAL GAS       Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Rep       Is gas actually connected?       When         Image: Is gas actually connected?

Supervisor District (1	JAN 29 1986
Tar A Gimming	
N. S. Section N. E. Porter Original Sign Segior Gas Well Engineer	PATE 1-23-86
I hereby certily that intermation above is true and complete to the best of my knowledge and helief.	
well down to pit. WIH w/swb, pulled approx. 600' fluid.	Waited 1 hr, made SEE REVERSE SID
to pit (nitrogen gas) and then died. WIH w/swab to seati approx. 800'-900' of scattered fluid. Closed well in. 1	ing nipple, pulled
and 8,000# 20/40 ceramic proppant, energized w/800 SCF/bt closed in three hours after treatment. Bled well to pit.	. Well flowed 2.5 hrs
29.000 gals cross linked gelled 2% KCL water carrying 18,	,000# 20/40 mesh sand
wellhead isolation tool and tested. Treated Morrow perfs	; 10,070'-10,184' w/
12-23 thru 12-25-85: TP 50#. Blew well down. WIH w/swab to SN, 800' scattered	fluid. Installed
12-21 & 22-85: Well SI.	•
12-20-85: WIH w/swab to SN, 900' scattered fluid. Swbd 2 bbls in 5	b hrs.
dry no fluid to SN. SDON *	
well to pit, well flowed 1 hr 20 min approx 50 bbls load.	WIH w/swab, tbg
hib 370. Held 1000# on annulus during treatment. Acidize w/3000 gals 7 1/2% low surface tension HCL acid; 78,000 S	ed Morrow perfs SCF_nitrogen. Flowed
12-19-85: MI & RU DDU. FL @ 8000' from surface. Swbd down to SN @ wellhead isolation tool & tested. Loaded annulus w/27 KC	L water w/1% techni-
work) SEE RULE 1 foz.	
escribe Proposed or Completed Operations (Clearly state all pertinent describe, and give pertinent dates, includ	ling estimated date of starting any propose.
st w c #	
ALL ON ALTER CADINE CHANGE CADINE TEST AND CEMENT JAN CADINE	·
	.+LUS AND ANANDON
AFFOR A SANDAN WARE . PLUE AND ABANDON . REMEDIAL WORK	ALTERINE CABINE
NOTICE OF INTENTION TO: SUBSEQUE	INT REPORT OF:
Check Appropriate Box To Indicate Nature of Notice, Report or (	
2654 'GR	Eddy
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	12. County
THE WEST LINE, SECTION 5 TOWNSHIP 18-S RANGE 28-E	
WHIT LETTER E 1980 FEET FROM THE NOTTH LINE AND 990 FEET FR	Empire Penn
Location of Well	10. Field and Pool, or Wildom -
Room 401, 4001 Penbrook Street, Odessa, Texas 79762	1
Phillips Petroleum Company	9. Well No.
Nume of Operator	E. Fem of Lease Heme Illinois Camp A COM
USE "APPLICATION I OF PERMIT "" IFORM COTOLI FOR SULF PROPOSALE.	7. Unii Agreemeni Nome
SUNDRY NOTICES AND REPORTS ON WELLS	
API No. 30-015-24485	E-7179
	Stote A Fat
U.1.C.A. JAN 27 1986	Sc. Indicole Type of Lecse Stole X Fee
RECENTED RECENTED FE. NEW MEXICO 87501	Revised 10-1-71
L CONSERVATION DIVISI N	fors (+10)
JERGY AND MINERALS DEPARTMENT	L
STATE OF NEW MEXILU	

12-24-85 (cont.) another run. Could not get any fluid out of hole. SDON. 12-24-85 (cont.) another run. Sould not get any fluid out of hole.

12-26-85: TP 600#. Well flowed to pit for one hr and died. Made 2 swb runs, well kicked off and started flowing at 11:00 a.m., flowed well until 9:00 p.m. Gas to wet to burn. Closed well in, SDON.

12-27-85: TP600#. Opened well to pit to clean up. Flowed well until 2:00 p.m. Well cleaned up. Gas burning good and clean. Placed well on production.

12-28- thru 1-19-86: Tested well.

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1-20-86: FLOWEd WELL at a rate of 962 MCFD, FTP 463#.

Job complete, well returned to production.

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Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural R		Form C-103 Revised 1-1-89
DISTRICTI P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO		WELL API NO.
DISTRICT II P.O. Drawar DD, Astenia, NM 88210	Santa Fe, New Mexico	<b>NZIGA-788</b> 8	5. Indicate Type of Lesse
DISTRICT III 1000 Rio Anzos Rd., Azac, NM 87410	А	UG - 2 <b>1993</b>	STATEX FEE
SUNDRY NOT	CES AND REPORTS ON WE		
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESEI (FORM C		OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: Off	OTHER	- · ·	ETail-ILLinois Comp A Com
2 Namer of Opension	troleum Con	Aan	8. Well No.
3. Address of Operator / HC 60 Box 66	Louinston M	1	9. Pool same or Wildcat
4. Well Location Unit Lotter: : ! 9 9	O Feet From The North		O Free From The West Line
Section 5	Township 185 R	28 E	NMPM Eddy County
	10. Elevation (Show whether	DF, RKB, RICR ac.)	
ii. Check A	Appropriate Box to Indicate I	Nature of Notice, Ro	eport, or Other Data
NOTICE OF INT	ENTION TO:	SUB	SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING	OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING	_	CASING TEST AND CE	
OTNER:		OTHER:	
	-Raisers are P , thnessed - NM	iped to se	
I hereby certify that the information above in the STOWATURE Carry M TYPE OR PROPERTINANE Danny ( (This space for State Une)	n Polmer		Tester DATE 8-3-93 TELEPHONE NO. 391-5316
	BY RAY SMITH	OIL AND GA	S INSPECTOR AUG 0 6 1993

.

Submit 3 Copies State of New Mexico to Appropriate Lgy, Minerals and Natural Resources Departmen District Office	Form C-103 Reviewd 1-1-89
DISTRICT I P.O. Box 1980, Hobba NM H240 OIL CONSERVATION DIVISION	WELL API NO.
P.O. Box 2088	30-015-24485
DISTRICT II Santa Fe, New Mexico 87504-2088 P.O. Drawer DD, Artesia, NM \$8210	5. Indicate Type of Lense
DISTRICT III	STATE X SEE
1000 Rio Brazos Rd., Aziec, NM 87410 .JAN 2 8 1994	6. State Oil & Gas Lease No. E-7179
SUNDRY NOTICES AND REPORTS ON WELLS ( DO NOT USE THIS FORM FOR PROPOSALS TO DRILL, OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well:	7. Lease Name or Unit Agreement Name Illinois Camp A Com
2. Name of Operator	8. Well No.
Phillips Petroleum Company	1
3. Address of Operator	9. Pool same or Wildcat
4001 Penbrook St., Odessa, Texas 79762	Empire Penn
Unit Letter <u>E</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>99</u>	0 Foot From The West Line
Section 5 Township 18-S Range 28-E	NMPM Eddy County
10. Elevation (Show whether DF, RKB, RT, GR, ec.)	
Check Appropriate Box to Indicate Nature of Notice	
the second s	
	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK I PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLI	
PULL OR ALTER CASING CASING TEST AND	CEMENT JOB
OTHER: OTHER:	
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give partinent dates, inc work) SEE RULE 1103.	luding estimated date of starting any proposed
<ul> <li>11/19/93 Pump 20 bbls 2% KCL down tubing. MI RU. Insta 5000 psi. GIH with 2" gauge run to 10080'. CO bridge. Set at 10006'. COOH. GIH with 2" bai plug. COOH. GIH and dump 6' of cement on plug 11/23/93 MI RU, install lubricator. GIH with retreiving GIH with bailer and dump 14' cement on plug. CO</li> </ul>	OH. GIH with thru-tubing ler and dump 30# lead shot on g. COOH. RD M/O. Shut well in.
let cement set. 11/30/93 RU & pumped 55 bbls 2% kcl. Tested plug to 190 Well on vacuum. RD M/O.	0#. Well broke back to 0 psi.
I hereby certify that the information above in true and complete to the best of my knowledge and belief.	Affairs 1/24/94
TYPEOR PRINT NAME L. M. Sanders	TELEPHONE ND.915/368-1488
(This space for Suite Use) NUPERFORM - DISTRICT II	·E8 <b>3 1994</b>
ATTRONED BY	

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CONDITIONS OF APPROVAL, IF ANY:

District I PO Box 1980, Hob District II PO Drawer DD, An District III 1060 Rio Braxos Re District IV P() Box 2088, Saute	tesia, NM 8 I., Aziec, NN	8211-0719 1 87410	Ener Ol	Minerals & IL CONSE P.C		urces Departmer N DIVISIO		C  Suba	Revis	Form C-104 ed February 10, 1994 Instructions on back opriate District Office 5 Copies MENDED REPORT
I.	F	REQUES	T FOR A	LLOWAB	LE AND	AUTHORIZ	ZAT	ION TO TR		
		<sup>1</sup> Opt	erator name an	d Address				2 0	GRID Numb	¢r
PHILLIPS P		UM COMPA	NY .			/			0176	43
4001 PENBR						$\checkmark$		<sup>3</sup> Ros	son for Filing	g Code
ODESSA, TE	XAS /	9762						L	<u> </u>	AME
1					5 Pool					6 Pool Code
	15-2448	35		E	MPIRE PE					76440
1 -	perty Code				8 Property	•			9	Well Number
	09104 Surface	Location	•	·····	ILLINOIS	CAMP A				1
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South 1	Ine I	Fest from the	East/West li	no County
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······		Hole Lo		I	1,000	1	<u>l</u> .	350	n	EUUT
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South	Line	Feet from the	East/West li	ne County
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12 Lse Code	13 Producia	ng Method Co	de 14 Gas C	onnection Date		ermit Number	16	C-129 Effective I		C-129 Expiration Date
<u> </u>		F	01	/01/86	ľ					
III. Oil and	i Gas Ti									
<sup>18</sup> Transporter OGRID			nsporter Name ad Address	>	20 PC	D 21 0	Ø/G		ULSTR Loc nd Descriptio	
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XX Decelor	ningen Maria		····-		Sugar de la s				CON	DIV.
IV. Produce	ea wate				24 POD UI	STR Location and	Descr	intion	DIST.	2
208385	:0	E 5 18	3S 28E							ĺ
V. Well Co		2	5 20E							
25 Spud Dat		26 E	Ready Date		27 TD	]	28	PBTD	29	Perforations
30 Holo	e Sic		<sup>31</sup> Casing	& Tubing Sizo		32 Depth S	ct		<sup>33</sup> Sacks	Cement
······································				******						
	· · · · · ·									
VI. Well Te	st Data	<u> </u>								
34 Dats New Oil		Gas Delivery	Date	<sup>36</sup> Test Date	37	Test Length	3	<sup>8</sup> Thg. Pressure	39	Csg. Pressure
40 Choke Size		<sup>41</sup> Oil		42 Water		43 Gas		<sup>44</sup> AOF		Test Method
<sup>46</sup> I hereby certify t complied with and the best of my know Signature: Printed name:	hat the infor	s of the Oil Co mation given	above is true a	vision have been and complete to	Approved Title:	by: ORI	GIN/	SERVATION	Y TIM W.	

21		OBERL	-
Κ.	R.	пкен	-

Dato: 06/19/95	Phone: (915)368-1675			1000	
<sup>47</sup> If this is a change of operator fill in the	OGRID number and name of the pr	revious operator	<u></u>		
Previous Operator	r Signature	Printed Name		Title	Date

	State of New M		~	dist
Submit 3 Copies to Appropriate District Office	Energy, Minerals and Natural			Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs NM 88240	OIL CONSERVATIO	088	WELL API NO. 30-015	-24485
DISTRICT II P.O. Drawer DD, Antesia, NM 88210	Santa Fc, New Mexic	o 87504-2088	5. Indicate Type of Lease	
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. Stato Oil & Gas Loaso No E-7179	
	ICES AND REPORTS ON WE			
DIFFERENT RESE (FORM C	OPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PE 101) FOR SUCH PROPOSALS.)	RMIT"	7. Loase Name or Unit Agre ILLINOIS CAMP A	
I. Type of Well: OIL WELL WELL GAS	OTHER			
2. Name of Operator Phillips Petroleum Com	anv		8. Well No. 001	
3. Address of Operator 4001 Penbrook Street, (			9. Pool name or Wildcat EMPIRE PENN	
4. Well Location Unit Letter <u>E</u> : <u>198</u>	O Feet From The NORTH	Line and 99	0 Feet From The	WEST Line
Section 5	Township 18-S F	tango 28-E	NMPM EDDY	County
	10. Elevation (Show wheth	her DF, RKB, RT, GR, etc 2654' GR	.) ////////////////////////////////////	
II. Check Aj	propriate Box to Indicate	Nature of Notice,	Report, or Other D	ata
NOTICE OF I	NTENTION TO:	SUB	SEQUENT REPO	DRT OF:
		REMEDIAL WORK		g casing
		COMMENCE DRILLING		
		CASING TEST AND CE	MENT JOB	
OTHER: ADD PERFS & TEST M	ID MORROD FORMATION	OTHER:		
12. Describe Proposed or Completed Op work) SEE RULE 1103.		tails, and give pertinent dat	es, including estimated date o	f starting any proposed
1. HIRU HES, NU WELLHE	AD, RIH W/SINKER BAR, PERF MIDDLE MORROW AS	GAUGE RING ON WI	(RELINE TO PBTD, (	соон.
10 0287-10 0367 4	SHOTS PER FOOT, 8 FOOT HE GAS PRODUCTION UNIT	33 SHOTS, COOH	I, RDMO HES, TE AND FLOWING T	BG PRESSURE
UNTIL WELL STABILIZ	ES.			ED)
			MAY - 3 195	96
			oil con.	DIV.
			Dist. 2	
I hereby certify that the information above je t	$\sim$			
SIGNATURE	Men III	ue <u>Senior Regula</u>	tion Analyst DATE	05/02/96
TYPE OR PRENT NAME LARTY N. San	ders		TELEPHONE	<u>™.(915)368–148</u> 8
(This space for State Use) ORIGINAL SIG DISTRICT II SI	NED BY THE W. GUM			MAY 9 1996
CONDITIONS OF APPROVAL, IF ANY:		LE	DATE	

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Submit 3 Copies to Appropriate	State of New M Energy, Minerals and Natura		C Form C-103 ent Revised 1-1-89
District Office DISTRICT ( P.O. Box 1980, Hobbs NM 88240	OIL CONSERVATIO	088	WELL API NO. 30-015-24485
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexi	CO 87504-2088	5. Indicate Type of Lease STATE 🚺 FEE 🗌
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	0		6. State Oil & Gas Lease No. E-7179
(DO NOT USE THIS FORM FOR PA	TICES AND REPORTS ON WE ROPOSALS TO DRILL OR TO DEEPEN ERVOIR. USE "APPLICATION FOR PE	I OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
I. Type of Well; OIL GAS WELL WELL WELL	C-101) FOR SUCH PROPOSALS.		ILLINOIS CAMP A COM
2. Name of Operator Phillips Petroleum Com	Dany JUL	1 5 1995	8. Well No. 001
3. Address of Operator 4001 Penbrook Street,	下前: 小	ICR. DIV.	9. Pool name or Wildcat EMPIRE PENN
4. Well Location		· :,. :,.	
Unit Letter <u>E</u> : 196	Feet From Tro	<u> </u>	
Section 5	Township 18-S F	tange <u>28–E</u> her DF, RKB, RT, GR, etc	NMPM EDDY County
		2654' GR	
	CHANGE PLANS		
<b>1</b> 1		COMMENCE DRILLING	
JLL OR ALTER CASING		CASING TEST AND CEN OTHER: <u>ADD PERF</u>	MENT JOB
work) SEE RULE 1103. D5/27/96 MI RU HALLIBU TBG PRESS 68 BAR 2-1/8" G/ WIH W/2-1/8" MORROW: 10208 8-1-83, PRESS 6:00 PM, RD H 5/28/96 PRODUCING 90# 5/29/96 PRODUCING 86#	JRTON T/CK PBTD & PERF PSI RATE 58 MCF GAS, C AUGE RING & JNK BSKT T/ DYNASTAR STRIP GUN W/1 3'-10036' (8' 3 SHOTS)	CASING TEST AND CEI OTHER: <u>ADD PERF</u> tails, and give pertiment dat MID MORROW, INST ONTINUE PRODUCIN 10300' (116' BEL 5.5 GR CHRGS 4 S CORRELATED W/SCH PSI F/5 MIN 5:10 F P/D. /D. D, FINAL REPORT.	MENT JOB S & TST MIDDLE MORROW es, including estimated date of starting any proposed ALL PRE-TESTED 5000# LUB, FLOW IG DURING WL OPER, WIH W/SINKER OW BTM PERF @ 10,184'), POOH, SPF & O DEG PHASING, PERF'D MID ILUMBERGER GR-CCL LOG DATED SPM,T/143 PSI @ 5:30 & 136 PSI (
ULL OR ALTER CASING THER: THER: TEC Describe Proposed or Completed Op work) SEE RULE 1103. TBG PRESS 68 BAR 2-1/8* G/ WIH W/2-1/8* MORROW: 10208 8-1-83, PRESS 6:00 PM, RD H 5/28/96 PRODUCING 90# 5/29/96 PRODUCING 86# 5/30/96 PRODUCING 84#	Derations (Clearly state all pertinent de URTON T/CK PBTD & PERF PSI RATE 58 MCF GAS, C AUGE RING & JNK BSKT T/ DYNASTAR STRIP GUN W/1 3'-10036' (8' 3 SHOTS) 5 WENT FR/60 PSI T/150 HALLIBURTON, FLOW WELL. FLOW PRESS @ 101 MCF P FLOW PRESS @ 101 MCF P FLOW PRESS @ 98 MCF P/ COMPLETE DROP FROM R UNDER BESS @ 98 MCF P/ COMPLETE DROP FROM R	CASING TEST AND CEI OTHER: <u>ADD PERF</u> tails, and give pertinent dat MID MORROW, INST ONTINUE PRODUCIN 10300' (116' BEL 5.5 GR CHRGS 4 S CORRELATED W/SCH PSI F/5 MIN 5:10 F P/D. /D. D, FINAL REPORT. EPORT	MENT JOB S & TST MIDDLE MORROW es, including estimated date of starting any proposed ALL PRE-TESTED 5000# LUB, FLOW IG DURING WL OPER, WIH W/SINKER OW BTM PERF @ 10,184'),POOH, SPF & O DEG PHASING, PERF'D MID ILUMBERGER GR-CCL LOG DATED SPM,T/143 PSI @ 5:30 & 136 PSI (

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210	State of New Mexico Energy Minerals and Natural Resou;s	Form C-104A March 19, 2001
<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Oil Conservation Division 220 South St. Francis Dr. Santa Fe, NM 87505	Submit 1 copy of the final affected wells list along with I copy of this form per number of wells on that list to appropriate District Office

# **Change of Operator**

Prev	vious Operator Information:	New Operator Information:		
		Effective Date:	01/01/2003	
OGRID:	017643	New Ogrid:	217817	
Name:	Phillips Petroleum Company	New Name:	ConocoPhillips Company	
Address:	4001 Penbrook Street	Address:	4001 Penbrook Street	
Address:		Address:		
City, State, Zip:	Odessa, TX 79762	City:, State, Zip:	Odessa, TX 79762	

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

New Operator Signature:	yolanda Perez	
Printed name:	Yolanda Perez	
Title:	Sr. Regulatory Analyst	
Date:	12/30/2002 Phone: (832)486-23	29
		and the second
Previous oper	ator complete below:	NMOCD Approval
Previous		Signature: Sim W. Gum
Operator:	Phillips Petroleum Company	Signature:
Previous		Printed
OGRID:	017643	Name: Michael Sigerousan
Signature:	Sode allen	District:
Printed		Date: JAN 2 4 2003
Name:	Steve de Albuquenque	Date: 233 2 4 2005

1-015-24485

# IT IS THEREFORE ORDERED:

. . .

(1) That the application of Rio Pecos Corporation for an unorthodox gas well location for the Wolfcamp/Pennsylvanian formations is hereby approved for a well to be located at a point 1980 feet from the North line and 990 feet from the West line of Section 5, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(2) That the N/2 of said Section 5 shall be dedicated to the above-described well.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION JOE D. RAMEY. Director

9-9-93 Ch-f Duf. -10448 Dfh-877 6500-10449 DC-07 6500-10449 6500-10449 6500-10449 6500-10445 CP

R-7286 - NSL Bin - 7876



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

Mark E. Fesmire, P.E. Director Oil Conservation Division

Todd Itspest in Program "Preserving the Interpty of On Navie noment"

21-Jul-05

#### **CONOCOPHILLIPS COMPANY**

4001 Penbrook St. Odessa TX 79761

## **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.

			INSPECTIC	N DETAIL	L SECTION		
ULLINOIS ( Inspection Date 07/21/2005	CAMP A CO Type Inspecti Routine/Peri Violations	on	Inspector Chris Beadle	Violation? Yes	E-5-18S-28E *Significant Non-Compliance? No	30-015-24485-00- Corrective Action Due By: 8/22/2005	-00 Inspection No. iCLB0520250048
Comments of	Absent Well Id on Inspection:	Well Sign n	s (Rule 103) ot in compliance with F 19.15.3.103.F(4) and (5	Rule 103. Sign ).	n does not list footage	s or API number as re	equired

#### Oil Conservation Division \* 1301 W. Grand \* Artesia, New Mexico 88210 Phone: 505-748-1283 \* Fax: 505-748-9720 \* http://www.emnrd.state.nm.us

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,

· 1

 $(d_{i}^{-1}) = (d_{i}^{-1})^{-1} + (d_{i}^{-$ 

Artesia OCD District Office

Note: Information 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, Datlas, Texas.

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الواقع المراجع المراجع

Oil Conservation Division \* 1301 W. Grand \* Artesia, New Mexico 88210

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District II		, NM 88240 · · tesia, NM 8821		Energy Mi	ineral		al Resources		Form C-141 Revised October 10, 2003		
1000 Rio Brazi District IV 1220 S St Fra	District IV 1220 S 220 S St Francis Dr., Santa Fe, NM 87505 Sam			Sout	onservation Division South St. Francis Dr. nta Fe, NM 87505			Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form			
30-0/5.	2448	5	Rel	ease Notific	catio	n and C	orrective A	ction			
nMLBOGI	535348	7/				ERATOR			tial Report 🔲 Final Report		
Name of Co	ompany C	ConocoPhilli	ps Com	any	1		hn W. Gates		tial Report Final Report		
Address 3	300 North	1 A St. Bldg	6, Midla	nd, TX 79705-5	406		No. 505.391.31				
Facility Na	me Illinoi	is Camp We	ll No 1			Facility Typ	e Oil and Ga	5			
Surface Ow	ner State	e Of New M	exico	Mineral O	wner	State Of N	ew Mexico	Lease	No 30015244485		
				LOCA	тю	N OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the		VSouth Line	Feet from the	East/West Line	County		
X E	5	185	<del>38E-</del> 28 E	1980	Nort	h	990	West	Eddy		
				Latitude 32 46	684	Longit	ude 104 12 16	1	•		
( <b>T</b>				NAT		OF RELI					
Type of Relea Crude Oil &		d Water				me of Release bl (51oil, 39w			Recovered		
Source of Rel	ease					and Hour of (		(Ooil, Ov Date and			
3X4" Swee	ige on eas	t side of tan	ik			09 NA			Date and Hour of Discovery 2/26/09 1024		
Was Immedia		iven? es 🔲 No		lequired	If YES, To Whom? Geoffrey Leking NMOCD						
By Whom?								····			
Was a Waterc					If YE	and Hour 2/2 S. Volume In	pacting the Wate	TCONES	<u></u>		
			Yes 🛛	No			proving the trace				
If a Watercour	se was imp	acted, Descril	be Fully.*	l	<del></del>		······································				
Describe Caus	e of Proble	n and Remedi	ial Action	Taken.*							
3X4 inch swo isolated, dra	edge on ea ined and 1	ist side of no removed fro	orth tank m servic	t failed due to it e.	iterna	l/external c	orrosion. There	e were no fluid	s recovered. The tank was		
Describe Area	Affected an	d Cleanup Ac	tion Take	n.*	········						
15' X 36' are	a inside ci	aliche dike y	with no c	attle present. T	here v	vere no fluic	ls recovered. S	pill site will be	delineated and remediated		
in accordanc	e with NA	10CD guide	elines								
I hereby certify	that the inf	formation give	n above is	true and complet	e to the	best of my ki	nowledge and und	ierstand that purs	uant to NMOCD rules and		
regulations and	pointions an		coort and/	or flic certain rele	ase noi	Diff Cations and	nerform correction	ua antinna fau ml	ana ashiat		
showing mon obc	1 410113 114 1		cuuareiv in	vestigate and rem	елияте к	contamination	that noon a thread	• • • • • • • • • • • • • • • • • • •	eve the operator of liability , surface water, human health		
or the output	cae madu		D acceptai	tce of a C-141 rep	ort doo	s not relieve t	he operator of res	ponsibility for co	mpliance with any other		
federal, state, or	· local laws	and/or regulat	tions.								
Signature:	foli	n h	!	1 t			<u>OIL CONSI</u>	BRVATION	DIVISION		
Printed Name:	lohn W. G	ntes			A		SIEFEL SUBSTVICE	***	ulin_		
Title: HSER L	éað				Ar	)ل proval Date:	JN 09200	9 Expiration D	late:		
Romail Address	John W A	atan (Derror	_1.111				Count				
E-mail Address:	Jona, W.G	ares@conoco	panntps.co	)m	- Co	nditions of A	pproval: Realized	and part	Attached		
Date: 02/26/20				5.391.3158	N	ncco Lie P	s / Connerte	للا			
<ul> <li>Attach A</li> </ul>	dditional S	Sheets If Neo	cessary				_ ^ ^	·····			

PMLB0915354269

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2.RP-314

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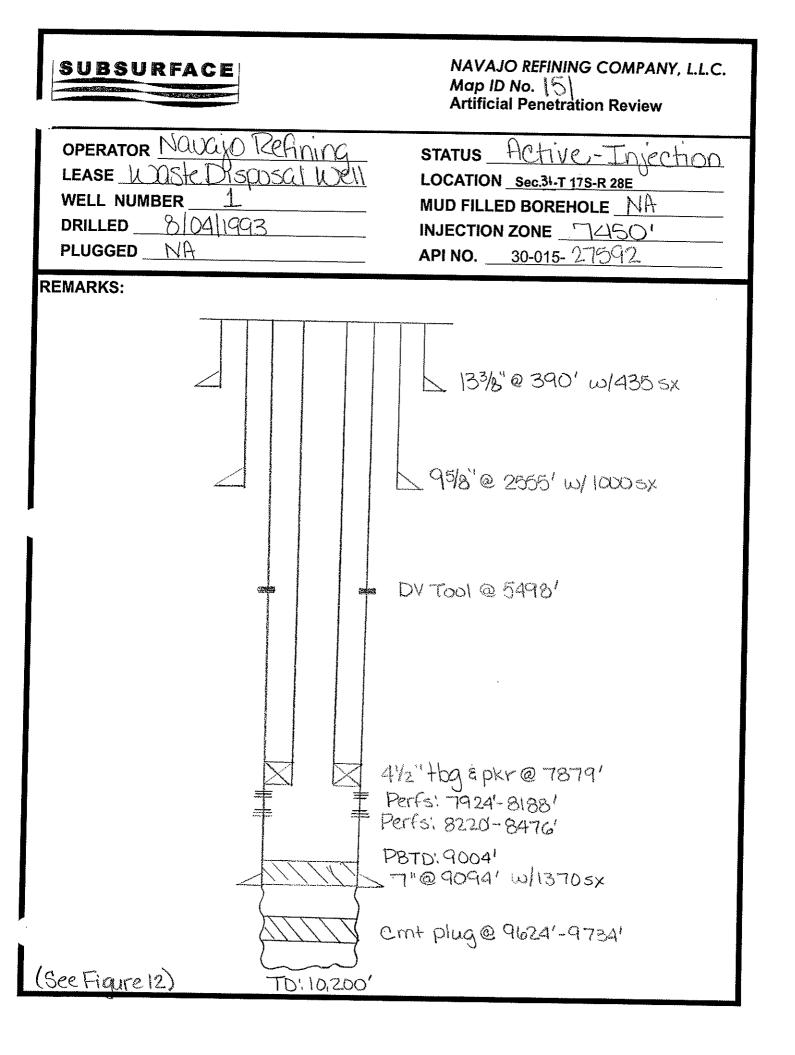
District I 1625 N. French Dr., Hobbs, NM 88240 District II 1201 W. Grand Annual Annual Discourse Energy		f New Mex s and Natur	tico Il Resources		Form C-1 Revised October 10, 20		
1000 KIU Brazos Road, Azacc, NWI 8/410	Aziec, NM 87410 Serie Fa NM 87505 Oil Conservation Division 1220 South St. Francis Dr.				Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back		
		e, NM 87			side of fo		
30 - 0/5 - 24485 Release Not NMLB09153 53481	tificatio	•		ction	2RP 31		
Name of Company ConocoPhillips Company		OPERA Contact Jes		🗌 🔲 Ini	tial Report 🛛 Final Rep		
Address 3300 North A St. Bldg 6, Midland, TX 79705	5-5406	Telephone 1	No. 575-391-3	26	······································		
Facility Name Illinois Camp Well No 1		Facility Typ	e Oil & Gas		······································		
Surface Owner State of New Mexico Mine	ral Owner	State of New	Mexico	Lease	No. 30-015-24485		
		N OF REI		-	A		
Unit Letter         Section         Township         Range         Feet from t           E         5         18S         28E         1980		/South Line orth	Feet from the 990	East/West Line West	County Eddy		
Latitude_32 46 684		_ Longitude	104 12 16	1			
N	ATURE	OF RELI	ASE .				
Type of Release Crude oil & produced water Source of Release 3X4" Swedge on east side of tank			oil, 39 water)	(0 oil, 0			
	•	2/26/09	our of Occurrence NA	e Date and 2/26/0	Hour of Discovery 9 1024		
Was Immediate Notice Given?	ot Required	If YES, To Geoffrey L	Whom? king NMOCD				
By Whom? John Gates		1	ur 2/26/2009	1430			
Was a Watercourse Reached?		If YES, Vol	une Impacting th	te Watercourse.			
Describe Cause of Problem and Remedial Action Taken.* #X4" swedge on east side of north tank failed due to internal/e: emoved from service.	xternal corre	osion. There v	vere no fluids rec	overed. The tank	was isolated, drained and		
Describe Area Affected and Cleanup Action Taken. <sup>4</sup> iquids were contained within 35 X 55 ft tank diked area. The ttached document.	e release was	s delineated ar	d remediated in a	accordance with )	NMOCD guidelines. See		
hereby certify that the information given above is true and con segulations all operators are required to report and/or file certain ublic health or the environment. The acceptance of a C-141 re- nould their operations have failed to adequately investigate and the environment. In addition, MMOCD acceptance of a C-14 deral, state, pr local laws and/orvegulations.	n release not port by the l f remediate (	ifications and NMOCD mark contamination	perform corrective ed as "Final Rep that pose a threat the operator of res	ve actions for rele ort" does not reli to ground water, ponsibility for co	ases which may endanger eve the operator of liability , surface water, human health mpliance with any other		
gnature: un Un	Ар	proved by Dis	OIL CONSI	Ally Be	DIVISION		
Ic: HSE Load			P 2 8 200		Hate: N/A		
nail Address: jesse.a.sosa@conocophillips.com te:			proval: N/A		Attached []		
ach Additional Sheets'If Necessary					RP-314		

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Submit to Approp District Office State Lease - 6 o	cyniaes	En, Mi	State of New nerais and Natur	w Mexico ai Resources Dej	pertinen.	21 64 6U	a d	Farm C-105 Reviewd 1-1-89
Fee Lante 5 co DISTRICT I P.O. Box 1940, H				TION DIVI	SION	WELLAM N 30-015	<b>0.</b> -27592	
THE AND DD.	Ammin, NM \$\$210		2040 Pachec Santa Fe,	•		5. Indicate T		
DISTRICT III	14. Arter, NM \$7410	,		21920	212223	6. Sum Oil /	k Ges Leess No.	
WEL	L COMPLETIO	N OR RECOM	PLETION REF	ORT AND LOC	3 1		- 2 0	mmmm
1a. Type of Weil: OIL WEI	,	<u> </u>		lass 1 Disp			e or Unit Agreen	Mill Name
b. Type of Comple lotw w with co	ntion: CNUC			S out	1- AK120	282930		
2. Name of Operation				i la		K Well No.		
3. Address of Open	efining Comp	bany		. 61	199787	WDW-1		
Post Off	ice Box 159,	Artesia, N	ew Mexico	88211		Naka jo	Fajecti	Ng-
- 4. WELL LOCHLOR						969	18 Perm	J PENH
Unit Letter	<u> </u>	10 Feet From Th	East	Line and	660	First Fr	Sou	ith Line
Section	31	Township	17S	Range 28E	N	MPM	T J J	County
10. Data Spurided	11. Date T.D. Ree	ched 12. Date	Compl. (Ready to )	- 202		FA RKB, KT, GR	Eddy	kv. Casingband
8/4/93	9/9/93		8/4/98	3	678 fee			
10,200 feet	16. Ping B 9004	feet	17. If Mailtiple C Many Zoune?	ompt. How 1	8. Intervais Deilled B	¥ !	1	Tools
19. Producing Interval				<u> </u>		AL.	1. Was Directions	Comment Market
	o 8476 feet	(Cisco)				-	Yes	Servey Made
21. Type Electric and (						22. Was Well	and the local data and t	
a.	og, Density					No		
		CASING I	RECORD (R	eport all string	s set in	well)		
CASING SIZE		SJFT. DEP	TH SET	HOLE SIZE	CE	MENTING RE		MOUNT PULLED
	48		90	17-1/2		acks "C" I acks "C" N		None
9~5/8"	36	2	555	12-1/4		acks "C" L	Contraction of the local division of the loc	None
7 "	26.6.2				1200 sa	acks "C" N	ieet	
,	26 & 2	JUNER RECO	094	8-3/4				k "H" Lite Nor
SIZE	TOP	BOTTOM	SACKS CEMEN	T SCREEN	25.		NG RECORL	
						<u>STZE  </u> 4-1/2	DEPTH SET 7879	PACKER SET
Performing new	and Generation		1					1
Perforation reco	-8030. 8050-	56. 8066-80	= $542$ hole	S DEPTH INT	<u>, SHOT, P</u>	RACTURE	CEMENT. SC	UEEZE, ETC.
L18-8127, 816	50-64, 8170-1	88, 8220-54,	8260-70	7924 -		1	AND KIND MA	the second s
280-8302, 837	10-78, 8360-6	56, 8400-10,	8419-23,		B476	5000 gal	<u>15% HC1 +</u> 15% HC1 +	salt
30-46, 8460-	64, and 847	0-76	PROPERT					
First Production	Ph	voluction Mathod (F	PRODUCT	<u>ION</u> 1999 - Sine and sym		1	Web 0	
N/A		N/A			· •••••		Wat Simis (From	a or Shid-inj
of Test	Hours Tented	Choks Size	Prod's For Test Period	Oil - Bhi.	Gas - MC	F Wete	r-BbL	Gas - Oil Rano
Tubing Press.	Caning Pressure	Calculated 24- Hour Rate	Ой - Вы.	Gas - MCF	Wate	r - BbL	Oil Gravity - AP	· · · )
Disponsion of Ges (Sol	d. und for fuel, verse	d, ac.)			·	Test Witnes	the second se	- ID-2 4-99
ii turesis							0 -	weil
Reentry a	nd completio	n report to	follow.					
hereby certify that t	in NA							
Signature 10	ult 1 10	<u>arc</u> ;	<u>Uirre</u>	11 Maire	Title	Env. Mpr. L.	Water Da	- 4/21/48

Submit 3 Copies to Appropriate District Office	State of New Energy, Minerals and Natural	Resources Department	Form C-103 Revised 1-1-89
BICT I Jox 1980, Hobbs, NM 88240	OIL CONSERVAT		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexic		30-015-27592
DISTRICT III			5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No. B-2071-28
( DO NOT USE THIS FORM FOR PR DIFFERENT RESE	HVOIR. USE "APPLICATION FOR (	EN OF PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: Out CAS WELL CAS WELL	OTHER	RELEIVED	 Chalk Bluff "31" State
2. Name of Operator Hewbourne 011 Compan	y /	AUG - 9 1993	8 Well No.
3. Address of Operator P.O. Box 5270 Hobbs	, New Mexico 88240	C. I. D.	9. Pool name or Wildcat Illinois Camp Morrow North
4. Well Location Unit Letter;	OFeet From The East	Line and 66	
II. Check A NOTICE OF INT	Appropriate Box to Indicate ENTION TO:		
JLL OR ALTER CASING	PLUG AND ABANDON	REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER:	
EMPORARILY ABANDON	CHANGE PLANS	REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER: and give pertinent dates, includ d 17~1/2" surface 9 Jts. of new 48 n cmtd. w/375 sks owed by 150 sks. mes were 12.4#, 6 u.ft. Compressivated formation te 12 hrs. NU annu 0 min. Held ok.	COPNS.
EMPORARILY ABANDON	CHANGE PLANS	REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER: and give pertinent dates, includ d 17-1/2" surface 9 Jts. of new 48 n cmtd. w/375 sks owed by 150 sks. mes were 12.4#, 6 u.ft. Compressive ated formation te 12 hrs. NU annual 0 min. Held ok. 5 a.m. 08/05/93.	ALTERING CASING PLUG AND ABANDONMENT MENT JOB Ment JO

Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural I		Form C-103 Revised 1-1-89				
<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240 <u>RICT II</u>	OIL CONSERVATI P.O. Box 20 Santa Fe, New Mexico	)88	WELL API NO. 30-015-27592				
Drawer DD, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	×.	5. Indicate Type of Lease STATE FEE					
(	A(1	6. State Oil & Gas Lease No. B-2071-28					
DIFFERENT RESEL	ICES AND REPORTS ON WE DPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PE -101) FOR SUCH PROPOSALS.)	HOP PLUG BACK TO A	7. Lease Name or Unit Agreement Name				
1. Type of Well: OIL GAS WELL GAS WELL	OTHER		Chalk Bluff "31" State				
2. Name of Operator Mewbourne 0il Company	/		8. Well No.				
<ol> <li>Address of Operator</li> <li>P.O. Box 5270 Hobbs</li> <li>Well Location</li> </ol>	New Mexico 88241		9. Boot name or Wildcat Illinois Camp Norrow North				
Unit Letter :	Feet From The East	Line and660	Feet From The South Line				
Section 31		ange 28E )	MPM Eddy County				
	10. Elevation (Show whether 3678 <sup>3</sup> GR						
II. Check A NOTICE OF INT	Appropriate Box to Indicate 1 ENTION TO:		port, or Other Data SEQUENT REPORT OF:				
		REMEDIAL WORK					
	CHANGE PLANS	COMMENCE DRILLING					
PULL OR ALTER CASING		CASING TEST AND CEN	MENT JOB				
OTHER:		OTHER:					
12. Describe Proposed or Completed Operati work) SEE RULE 1103.	ons (Clearly state all pertinent details, an	d give pertinent dates, includi	ng estimated date of starting any proposed				
08/09/93 Drilled 12-1	/4" hole to 2555' KB.	Ran 57 its. of	nev: 9-5/8" 36# 1-55 8vd				

1.

J8/09/93 Drifted 12-1/4" note to 2555" KB. Ran 5/ jts. of new 9-5/8", 36#, J-55, 8rd, ST&C casing and set 0 2555' KB. Halliburton cmtd. w/800 sks. of Class "C" Lite containing 1/2#/sk. flocele + 2#/sk. Gilsonite + 12#/sk. salt followed by 200 sacks of Class "C" Neet containing 2% CaCl2. Plug down to 2518' 0 3:00 p.m. 08/09/93. Circulated 133 sks. to pit. Lead cement slurry yield & weight was 12.4#/gal., 1,440 cu. ft. and tail slurry weight volume was 14.8#/gal. & 270 cu. ft. Total slurry volume was 1710 cu. ft. Compressive strength for tail slurry was 1570 psi in 12 hrs. 0 82°F. Estimated formation temp. was 80°F. Estimated slurry temp was 78°F. WOC 12 hrs. NU BOP and pressure tested casing, blind rams, pipe rams, and annular preventor to 1200# each for 15 min. All held ok.

I hereby certify that the in SIGNATURE	formation abo	ove is the and complete to the best of my know		nd belief. TTTLEDr](	j. Supt.	DATE 08/11/93
TYPE OR PRINT NAME	Bill	Pierce				(505) TELEPHIONE NO.93-5905
space for State Use)		QRIGINALI SIGNED BY MIKE WILLIAMS				AUG 2 7 1993
APPROVED BY	L, IF ANY:	SUPERVISOR, DISTRICT I	₽ 1 ,***	TTTLE		DATE

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies		rgy, Minerals	tate of New Me and Natural Re	sources Depa		WELL API N	0.	Form C-105 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 8524	n OI		ERVATIO P.O. Box 208				15-27592	ST "
TRICT II Drawer DD, Artesia, NM \$8	210	Santa Fe,	P.O. Box 208 New Mexico	87504-2088	LEIVEL	5. Indicate T	CT AT	
DISTRICT III				<u>S</u> F.D	2719		& Gas Lesse No.	
1000 Rio Brazos Rd., Aztec, NM WELL COMPLI		FCOMPLET				B-207	71-28 ////////////////////////////////////	
1a. Type of Well:			OTHER	I AND LOG		7. Lease Nag	ne or Unit Agree	ment Name
b. Type of Completion:					```			
		k 🗌 🕺	ESVR OTHER			l	3 <b>]</b> uff "3]"	'State
2. Name of Operator Newbourne 0il Con	anany					8. Well No.		
3. Address of Operator						9. Pool name	or Wildcat	
P.0. Box 5270 Ho	obbs, ilew	Fiexico	88241			Illinois	Camp Mor	row, North
Unit Letter:	2310 Fo	et From The	East	Line and	660	Feet	From The SO	uth Line
Section 31 10. Date Spudded 11. Date 7	To T.D. Reached	waahip 17S	Ran npl. (Ready to Prod			IMPM F& RKB, RT, C	Eddy	County
•	09/93	12. 1946 COL		.) <u>15. E</u> u	3678'		iK, «IC.) 14.	Elev. Casinghead
15. Total Depth 16.	Plug Back T.D.	1	7. If Multiple Comp Many Zones?	L How 1	8. Intervals Dnilled H		is <sub>I</sub> Cal	ble Tools
10,200 <sup>1</sup> 19. Producing Interval(s), of this co	mpletion - Ton.	Bottom, Name					20. Was Directio	nn - n
							ilo	man online's Marie
21. Type Electric and Other Logs R						22. Was W		
<u>Dual Laterlog</u> , De	•	•	•	•				
CASING SIZE WE	<u>CA</u> IGHT LB/FT.	DEPTH	CORD (Rep	ort all string IOLE SIZE		well) Menting f	ECOPD	AMOUNT PULLED
13-3/8"	48#			7-1/2"	375 9	sks. "C"	Lite +	None
0.1.401	201		05551	0.1/40		sks."C" i	ieet	
<u>9-5/8"</u>	36#		2555'	12-1/4"	800 s	<u>sks. "C"</u> sks. "C"	Lite +	None
						15	NECL	
24. SIZE TO		TTOM			25.		BING RECO	the second se
3122 101	с <u>Б</u>		SACKS CEMENT	SCREEN		SIZE	DEPTH SE	T PACKER SET
				1			<u> </u>	
26. Perforation record (inter	val, size, and	number)		27. ACII				SQUEEZE, ETC. MATERIAL USED
N/A								
28.	·····	I	PRODUCTI	DN		E		****
Date First Production	Product		wing, gas lift, pum		ж ритф)		Well Status (	(Prod. or Shut-in)
Date of Test Hours T	icated (	Choke Size	Prod'a For Test Period	Oil - BЫ.	Gas - N	ACF V	Vator - Bbl.	Gas - Oil Ratio
Flow Tubing Press. Casing I		Calculated 24- Hour Rate	Оіі - Вы.	Gas - MCF	W	Mer - Bbl.	Oil Gravity	- API - (Corr.)
29. Disposition of Gas (Sold, used fo	r fuel, vented, et	:.)	<u></u>	<u> </u>		Test W	itnemed By	
List Attachments			······································					
Deviation Report 31. I hereby certify that the inform			f this form is true	and complete i	to the bes	of my knowle	edge and belief	
Signature <u>Rill</u>	His	P	rinted Jame Bill	Pierce		Drla	Sunt	Date 09/23/93

Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural R		Form C-103 Revised 1-1-89
DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO		WELL API NO.
TRICT II Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico		30-015-27592
DISTRICT III			5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No.
SUNDRY NOT	CES AND REPORTS ON WEL	10	<u>B-2071-28</u>
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESER	POSALS TO DRILL OR TO DEEPEN VOIR. USE "APPLICATION FOR PEI 101) FOR SUCH PROPOSALS.)	OB PUIG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: OIL CAS WELL WELL	·····	FP 1 4 1997	Chalk Bluff "31" State
2. Name of Operator	OIl Company	Q. L . D.	8. Weil No.
3. Address of Operator	OTF COMPANY		9. Pool name or Wildcat
P. 0. Box	5270 ; Hobbs, New Ni	exico 88241	Illinois Camp Norrow, North
4. Well Location			
Unit Letter :	Feet From The East	Line and660	Feet From The South Line
Section 3]	Township 17S Rar	1ge 28E ,	NMPM Eddy course
	10. Elevation (Show whether I	DF, RKB, RT, GR, etc.)	NMPM Eddy County
	3678'		
11. Check A	ppropriate Box to Indicate N		
	ENTION TO:	SUB	SEQUENT REPORT OF
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING	
	L		
OTHER:		CASING TEST AND CEI	
		OTHER:	
<ol> <li>Describe Proposed or Completed Operation work) SEE RULE 1103.</li> </ol>	ns (Clearly state all pertinent details, and	l give pertinent dates, includi	ing estimated date of starting any proposed $P_{a} \neq D - 2$ 3 - 18 - 94
9-9-93: Drilled 8 3/4' evaluated well	production hole to a	T.D. of 10,200*	K.B. Ran electric logs and $A$
9-10-93: Decided to pl office in Art	ug well. Received ver esia to plug well. Pl	bal permission aced cement plu	from Mike Stubblefield w/NMOCD gs at following depths:
	45 sacks of Class "H" 45 sacks of Class "H" 55 sacks of Class "H" 45 sacks of Class "H" 45 sacks of Class "H" 45 sacks of Class "H" 65 sacks of Class "H" top of cement plug @ 2	Neet @ 9734' Neet @ 8528' Neet @ 7866' Neet @ 6648' Neet @ 5320' Neet @ 3734' Neet W/2% CaCl <sub>2</sub> 350'.	40 sacks of Class "H" Neet @ 440' 10 sacks of Class "H" Neet From 30' to surface. Rig released @ 7:00 PM, 9-11-93. Installed dry hole marker. @ 2605'. HOC 4 hours. Tagged
I hereby certify that the information above is not an skow is not an skow in the store is the start and skow is the store	d complete to the best of my knowledge and be		erintendent DATE Sept. 13, 1993
TYPE OR PRINT NAME	····		TELEPHONE NO.
s space for State Use)	· · · · · · · · · · · · · · · · · · ·	-	
APPROVED BY TELDE STUDIE LA CONDITIONS OF APPROVAL, IF ANY:	- TITLE	Field Rep. 1	DATE April 11.94

Submit I Copy To Appropriate District	State of New Mexico	Form C-103
District I ~ (575) 393-6161 Energy,	Minerals and Natural Resources	Revised August 1, 2011
1625 N French Dr , Hobbs, NM 88240 District II - (575) 748-1283		WELL API NO. 27592
	ONSERVATION DIVISION	5. Indicate Type of Lease
1000 Rio Brazos Rd , Aztec, NM 87410	220 South St. Francis Dr. Santa Fe, NM 87505	STATE FEE
t <u>rict IV</u> – (505) 476-3460 J S St Francis Dr , Santa Fe, NM	6. State Oil & Gas Lease No.	
o / 505		B-2071-28
SUNDRY NOTICES AND RE (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL DIFFERENT RESERVOIR USE "APPLICATION FOR PE PROPOSALS)	OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Mewbourne WDW-1
1. Type of Well: Oil Well Gas Well	Other Injection Well	8. Well Number WDW-1
2. Name of Operator		9. OGRID Number
Navajo Refining Company		
3. Address of Operator	1	10. Pool name or Wildcat: Navajo Permo-
Post Office Box 159, Artesia, New Mexico 8821	1	Penn 96918
4. Well Location	231	0
	eet from the <u>South</u> line and <u>221</u>	
	Ownship         17S         Range         281           Killer         100	
3678' GL	n (Show whether DR, RKB, RT, GR, et	<i>c.)</i>
STATE OF CONTRACTOR STATES		
12 Check Appropriate I	Poy to Indicate Native of Nation	Demost an Other Det
	Box to Indicate Nature of Notice	e, Report of Other Data
NOTICE OF INTENTION	ro: su	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK 🔲 🛛 PLUG AND /		
TEMPORARILY ABANDON		
PULL OR ALTER CASING D MULTIPLE C	CASING/CEME	NT JOB 🕴 🔲
THER: PERFORM PRESSURE FALLOFF TEST	OTHER:	
12 Describe proposed or completed operation		
of starting any proposed work). SEE RUL	E 19 15 7 14 NMAC For Multiple C	and give pertinent dates, including estimated date
proposed completion or recompletion.	b 19119.1.14 Market 1 of Multiple C	ompletions. Attach wendore diagram of
November 14, 2011 –Install bottomhole g	auges into WDW-1, WDW-2, and WI	DW-3 by 11:45am. Continue injection into all
three wells.		·
November 15, 2011 – Continue injection i	nto all three wells.	
established for WDW-1 and continue for a	30 hour injection period. Do not even	e shut-in. A constant injection rate will be
November 17, 2011 – At 7:00pm, WDW-	will be shut in for a 30-hour falloff r	period. WDW-2 and WDW-3 will remain shut-
in.		
November 18, 2011 – All three wells will	continue to be shut in while monitorin	g falloff pressure in all three wells.
November 19, 2011 – At 7:00am, acquire	downhole pressure gauges from all the	ree wells. Tag bottom of fill and come out of
ft 3000 ft 2000 ft 1000 ft surface) Run	t stops while coming out of WDW-1	every 1000 feet (7000 ft, 6000 ft, 5000 ft, 4000 nduct temperature survey from the surface to the
top of the fill. Turn the wells back to Nav	aio personnel.	nduct temperature survey from the surface to the
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Accepted for record		OCT <b>07</b> 2011
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rud Date:	Rig Release Date:	
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ereby certify that the information above is true an	d complete to the best of my knowled	ge and belief.
T-210	Ð	<b>~</b>
GNATURE mola to	Project E	mg. neer DATE 10/3/11
CINAL SIX MAL	111LC	J VIOV DALE 14/2/11

Type or print name Time thy For State Use Only	Jones E-mail address:	Homes Csubsurface group compton PHONE: 713-880-4640
APPROVED BY: Conditions of Approval (if any):	TITLE	DATE

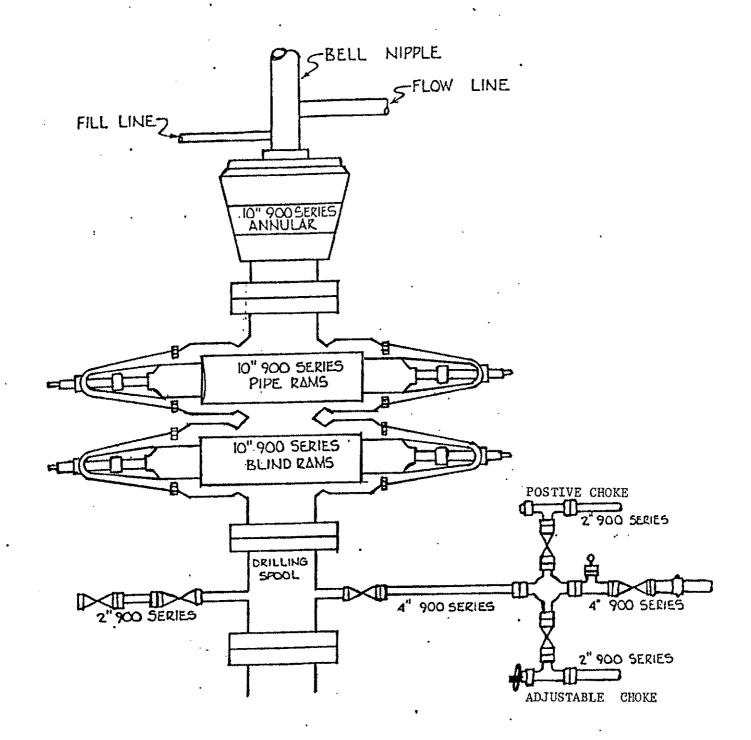
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			·	
Submit I Copy To Approprinte District	State of New 1	Aerica		
Office District J - (575) 393-6161	Energy, Minerals and Na		R	Form C-1
1625 N. French Dr., Hobbs, NM 88240 District II - (575) 748-1283		•	WELL API NO. 275	
811 S. First SL, Artesia, NM 88210 District III-(505) 334-6178	OIL CONSERVATIO		30-015-26592-> 5. Indicate Type of Leas	
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fi		STATE 🔀	FEE
District IV - (505) 476-3460 1220 S. St. Francis Dr., Sanin Fe, NM 87505	Santa Fe, NM		6. State Oil & Gas Leas B-2071-28	e No.
SUNDRY NOTIC (DO NOT USE THIS FORM FOR PROPOS, DIFFERENT RESERVOIR. USE "APPLIC/ PROPOSALS.)	LES AND REPORTS ON WELL ALS TO DRILL OR TO DEEPEN OR I ATION FOR PERMIT" (FORM C-101)	A DO NOV TO A	7. Lease Name or Unit . Mewbourne WDW-1	Agreement Name
	Jas Well 🔲 Other Injection	Well	8. Well Number WDW	•1
Navajo Refining Company	<u>.</u>		9. OGRID Number	
3. Address of Operator Post Office Box 159, Artesia, New	Mexico 88211		10. Pool name or Wilde Penn 96918	at: Navajo Pern
4. Well Location			. <b>.</b>	
Unit Letter <u>0</u> ; ( Section 31	560 feet from the <u>Sout</u> Township 17S		feet from the _East	
	Township 17S 11. Elevation (Show whether D	Range 28E R. RKB. RT. GR. etc.	NMPM	County Edd
	3678' GL			
12. Check Ar	propriate Box to Indicate	Natura of Notice	Perpert or Other Duty	
	•			
		REMEDIAL WOR	SEQUENT REPORT	
······	CHANGE PLANS	COMMENCE DRI		RING CASING
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OTHER: PERFORM PRESSURE FAI	LLOFF TEST	OTHER:		
13 Describe proposed or commuter				· [
<ol> <li>Describe proposed or complet of starting any proposed work proposed completion or recom</li> </ol>	J. SEC KULE 19.15.7.14 NMA	C. For Multiple Cor	d give pertinent dates, inclu npletions: Attach wellbore	ding estimated e diagram of
November 8, 2011 –Install be	tiomhole gauges into WDW-1,	WDW-2, and WDW	-3 by 11:45am. Continue i	njection into all
three wells. November 9, 2011 – Continue				•
November 10, 2011 At 12:1	5pm, the offset wells WDW-2	and WDW-3 will be s	shut-in. A constant injecti	on rate will be
comparation for WEDAA-1 UNIT C	ontinue for a 30 hour injection p pm, WDW-1 will be shut in for	eriod. Do not exceed	1000 peig wallhood process	
November 12, 2011 – All due	c wells will continue to be shut	in while monitoring	falloff programs in all threes	
reasonation to to to William	am, acquire downhole pressure	vanges from all three	wells Tas house of GH	
nore very arowry, insking /-ini	inute gradient stops while comin rface). Run in hole with a temp	no one of WDW-1 ev	eru 1000 Feel (ፓስቡስ ሴ. ራስስ	A B CAAA A
top of the fill. Turn the wells	back to Navajo personnel.		ouct temperature survey tro	in the surface to
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Spud Date:	Rig Release D	uto:	l l	
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Type or print name Timothy Johes E-mail address: tjune see Subsurface group. Com PHONE: (713) 560-4905 Chine TITLE Environtal Engine DATE 11/4/2011 APPROVED BY: \_\_\_\_\_\_ Conditions of Approval (if any): - Fall- OF forts to be von at each UICI - closs I (NH-) well. - Issue of injection well interconnection of injection zone and fiture Fall-off Test scholule to be resolved at a later data based on the preferred tests for demonstrating inter - connection between injection well (1) and injection zone ..



Mewbourne Oil Company Chalk Bluff "31" State #1 2310' FEL & 660' FSL Section 31-T17S-R28E Eddy County, New Mexico Lease # B-2071-28

۰.

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

DISTRICT I P O Box 1980, Hobbs, NM 88240

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

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

#### State of New Mexico Energy, Minerals and Natural Resources Department

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# **OIL CONSERVATION DIVISION**

P.O. Box 2088

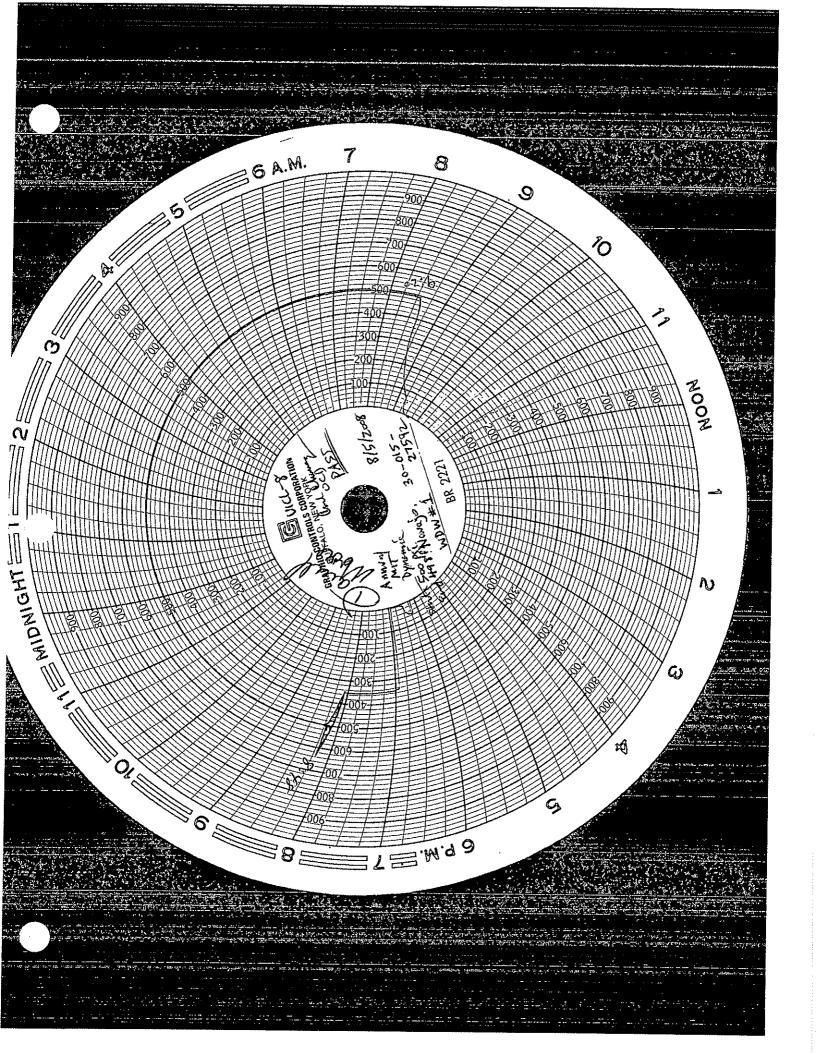
Santa Fe, New Mexico 87504-2088

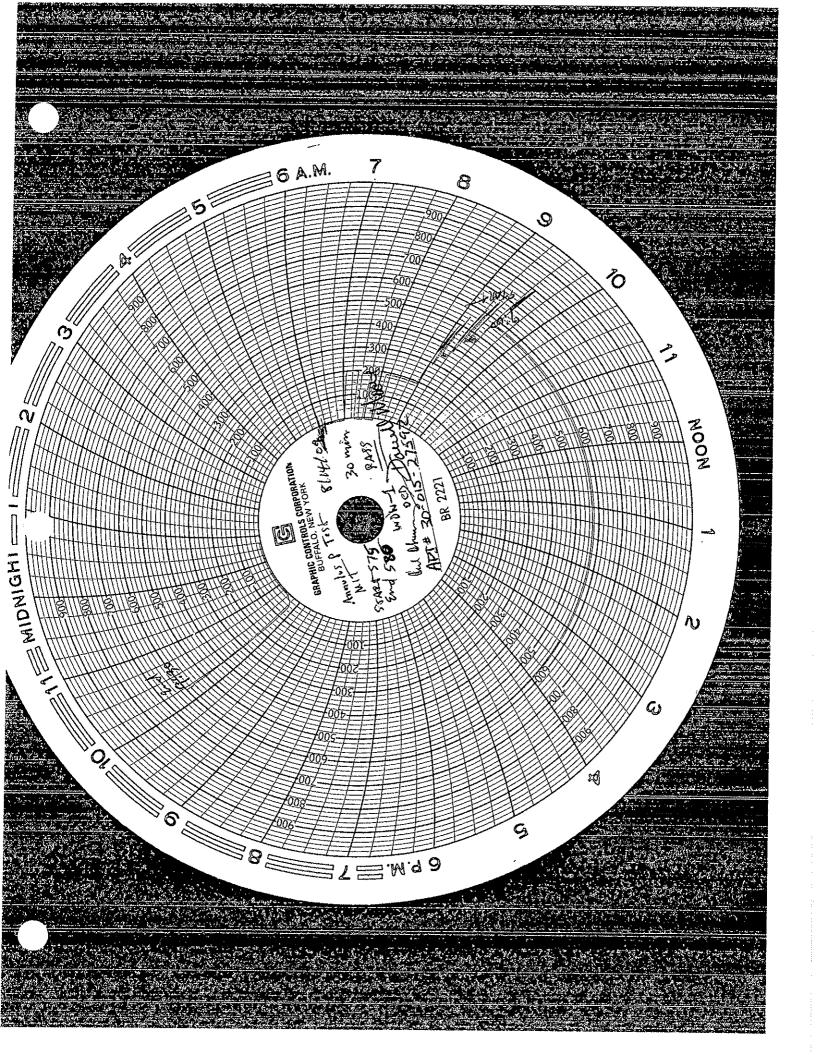
# WELL LOCATION AND ACREAGE DEDICATION PLAT

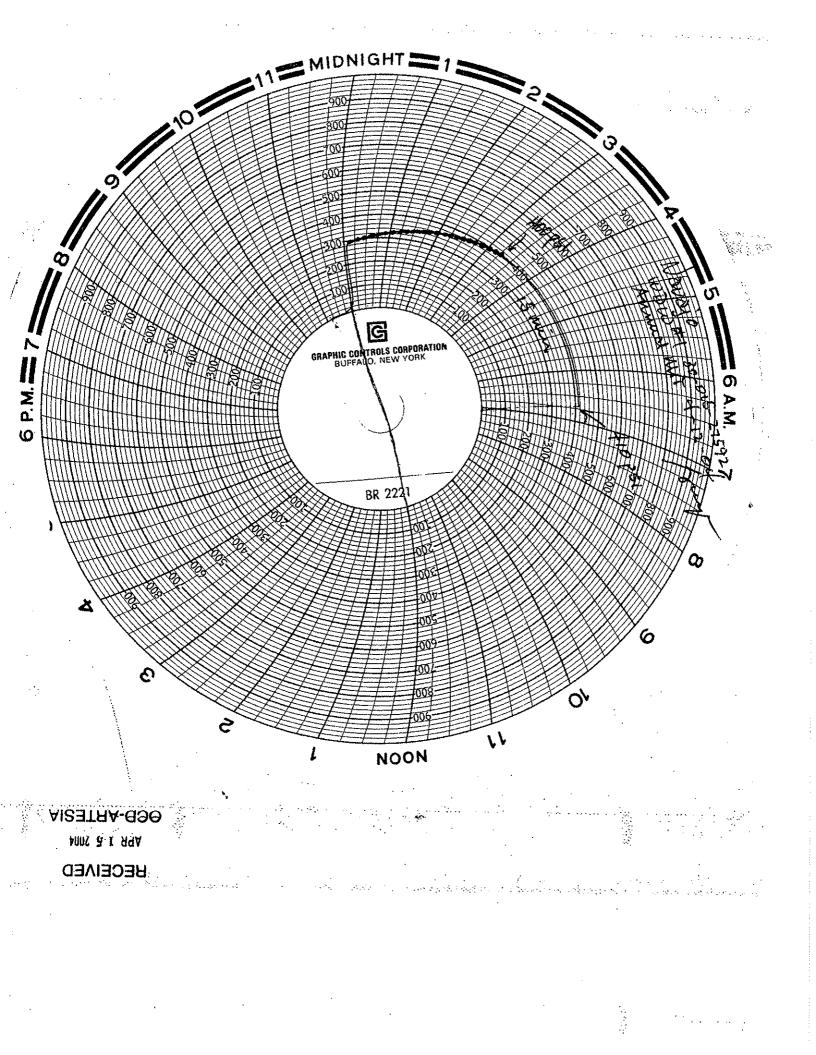
All Distances must be from the outer boundaries of the section

Operator				*****	···	Lease	······································	·····			Well No.	
MEWBOUR	NE OIL (	COMPAN	ΙY			СНАТ		21 00040	173		_	
Unit Letter	Section					Range CHALK BLUFF 31 STATE					<u>i</u>	
0			17	SOUL	H	28	B EAST			mon	<i>r</i>	
Actual Footage Loc	ation of Well:							······	IMPM	1 1001		
2310	feet from the	• E	AST		line and	F	60	f		*** 001700		
Ground level Elev.	P	roducing	Formation	]		Pool	<u> </u>	100	unum	the SOLTTH	Dedicated Acre	100.
367,8	Mc	prrow				Illin	oic Came	Morrow	م. سالة	± 1.		-
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					utline each and				worki	ng interest and i	royaity).	
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or until a	non-standard u	mit, elimiı	nating suc	h intere	st, has been app	roved by the	Division.	,		, meerpoon	(, or otherwise)	
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10	00 Rio Brazos Rd					2040 Sou	th Pacheco NM 87505		JUL		Sca	iate District Office = Lease - 6 Copies = Lease - 5 Copies
	10 South Pacheco, S								OCD - ARTESH	. I	TANG	
	PPLICATIO	ON F	OR P	ERMIT	TO DI	RILL, RE-	ENTER, D	EEP	EN, PLUGE	BACK	CORA	DD A ZONE
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Po	st Office tesia; New	Box 1 Mexi	159 .co 8	8211		•					1.13	694
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District I PO Hest 1980, Hobbis, NM 22241-1980 District II 211 South First, Artsuin, NM 22219 District III

2040 South Pachaca, Santa Fe, NM \$7505

#### State of New Mexico Energy, Minorale & Natural Resources Department

### OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-10: Revised October 18, 1994 Instructions on baci Submit to Appropriate District Office State Lease - 4 Copie: Fee Lease - 3 Copie:

AMENDED REP	<b>ORT</b>
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	W	ELL L	OCATIO	N AND	AC	REAGE DED	ICATION P	LAT	
30-015-27592			<sup>4</sup> Peel Ca	de .			Presi	Name	•
* Property Code	1			<sup>4</sup> 21	operty	lfcamp, Cisco	, and Cany	on Inje	
OGRED Na.	WDW-9	<u>L</u>							* Well Number
Contraction And	Nerrer			<sup>8</sup> Oy		Name			* Elevation
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ATTACHMENT VI-3

<u></u>	-	Т					<u> </u>			
Top of Cement (feet below	Top of Cement (feet below ground)				m 6000 <sup>4</sup>	1 op of Liner		Surface	Surface	5321
Cement Height	Cement Height (feet)			1919	1001	1671	622	(CU 2002	1865	5079
Hole Rusosity	fam-9-an-	00	0.0	0.0	ð	0.0	0.8	0.0	o.o	0.8
Cement Factor (cu ft/sacks)		*	1.1			:	1.1		1.1	1.1
Hole Diameter (inches)		17.5	12.25	7.875	5.5		17.5		7 275	C10.1
Cement Volume (sacks)		450	006	430	8		200	1150	1000	
Setting Depth (feet)		472	2589	9473	10140		418	2600	10400	
Casing Diameter (inches)		13.375	8.625	5.5	4.5	10.04	C/C/CT	8.625	5.5	
Map ID No.	;	101				1,57	707			

Cement Height = Cement Volume \* Cement Factor \* Hole Rugosity \* 1/(PI\*(Hole Radius ^ 2 - Casing Radius ^ 2))

- \* For Map ID No. 83, cement volume for 5.5 inch casing includes squeezes.
- \*\* For Map ID No. 124, hole diameter for 4-1/2 inch liner was not reported; 6.125 inches is estimated.
  - <sup>1</sup> Per temperature survey conducted on May 9, 1991.
- <sup>2</sup> Per cement bond log on July 20, 1993. Log is included in Attachment VI-2.

ATTACHMENT VI-3

TOP OF CEMENT IN INJECTION ZONE WELLS IN THE AREA OF REVIEW

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337/60a4696.6-3 Revised June 23, 1998

#### 5. Injection Zone Fluid Analysis

The composition of the native formation fluid in the proposed Wolfcamp, Cisco, and Canyon injection zone is expected to be similar to that in these formations in other parts of southeastern New Mexico. The salinity of Wolfcamp, Cisco, and Canyon formation brines from hydrocarbon producing areas in northern Lea County, to the east of Eddy County, was reported by Meyer (1966, Table 4). Attachment VII-3 summarizes the salinity data reported by Meyer (1966, Table 4) for Wolfcamp, Cisco, and Canyon formation brines from limestones that were deposited in a shelf environment similar to that of the proposed injection site. The salinity of the formation brines range from 67,098 to 119,909 parts per million (ppm). The formation brines were produced from intervals that occur between 9001 feet and 10742 feet below ground. Also listed in Attachment VII-7 are data from Strawn limestones that were deposited in a platform environment and that occur at 7700 feet below ground; the salinity of the Strawn formation brine is 39,374 ppm. DST data from proposed WDW-1 indicate that the salinity of fluid recovered from the Cisco Formation in DST No. 5 is 25,000 ppm (Attachment VIII-9).

Navajo will attempt to retrieve a sample of formation brine during the proposed well testing operations. Formation brine samples will be retrieved prior to any stimulation treatments or injection into the well. As discussed above, the salinity of the formation brine in the Wolfcamp, Cisco, and Canyon injection zone is expected to be between 25,000 and 120,000 ppm.



June 25, 1998

Mr. Mark Ashley New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

RE: Response to Request for Information from June 10, 1998, on Navajo Refining Company's Discharge Plan Application Envirocorp Project No. 60A4696

Dear Mr. Ashley:

Enclosed please find two copies of the referenced document. A third copy of the document was transmitted to the New Mexico Oil Conservation Divison (OCD), District II office in Artesia, New Mexico. The document consists of Addendum No. 1 and replacement pages for the Navajo Refining Company's (Navajo) Discharge Plan Application and Application for Authorization to Inject, dated April 1998. The document may be inserted into the back of the binder that holds Navajo's application. Instructions for inserting the replacement pages are included in Attachment A.

Please do not hesitate to contact Darrell Moore of Navajo at (505) 748-3311 or me at (713) 880-4640 if you have additional questions or need more information as you complete your review of the application.

Sincerely,

Nanaj F. niemann

Nancy L. Niemann Senior Geologist

NLN/paf Attachments

c: New Mexico Oil Conservation Divison, District II (with attachments) Darrell Moore - Navajo Refining Company (with attachments) George Walbert - Holly Petroleum, Inc. (with attachments)

ENV ROCHPRISERVICES & TECHNOLOGY INC



### ADDENDUM NO. 1 RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION RECEIVED ON JUNE 10, 1998, FROM THE NEW MEXICO OIL CONSERVATION DIVISION ON THE DISCHARGE PLAN APPLICATION

### NAVAJO REFINING COMPANY Artesia, New Mexico

**Envirocorp Project No. 60A4696** 

**June 1998** 

### **Prepared By:**

# ENVIROCORP SERVICES & TECHNOLOGY, INC. Houston, Texas

ENVIROCORP SERVICES & TECHNOLOGY NO.

7020 PORTWEST DRIVE #100 HOUSTON TRXAS 77024 713 880.0840 FAY 71 URBO/3248

### **ATTACHMENT A**

# INSTRUCTIONS FOR UPDATING NAVAJO'S DISCHARGE PLAN APPLICATION

Insert Addendum No. 1 at the back of the binder that holds the application.

Remove and discard Page 2 of Attachment III-5 (Closure Plan) and replace with the enclosed page.

Remove and discard Page VI-4 of Section 6 and replace with the enclosed page.

Insert the enclosed log and Sundry Notice into the records of Map ID No. 161 in Attachment VI-2.

Remove and discard Attachment VI-3 (Top of Cement in Injection Zone Wells in the Area of Review) and replace with the enclosed table.

Remove and discard Page VII-3 of Section VII (Proposed Operations) and replace with the enclosed page.



#### RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION RECEIVED ON JUNE 10, 1998, FROM THE NEW MEXICO OIL CONSERVATION DIVISION ON NAVAJO REFINING COMPANY'S DISCHARGE PLAN APPLICATION

The following request for additional information on Navajo's discharge plan application was received by Nancy Niemann of Envirocorp in a telephone conversation on June 10, 1998, with Mark Ashley of the OCD.

#### **REQUEST 1:**

The application states that Navajo owns the land surrounding the surface location of proposed WDW-1 (the Mewbourne Oil Company Chalk Bluff 31 State No. 1). Navajo should state the owner of the land surrounding the surface locations of proposed WDW-2 and WDW-3.

#### **RESPONSE:**

Navajo is the owner of the land surrounding the surface locations of proposed WDW-2 and WDW-3, as stated in Item No. 4, Facility Ownership, of the Discharge Plan Application. Navajo owns the two acres that are shown to be surrounding proposed WDW-2 in the surveyor's plat that is included with Form C-102 for proposed WDW-3. Navajo also owns the two acres that are shown to be surrounding proposed WDW-3 in the surveyor's plat that is included with Form C-102 for proposed WDW-3 in the surveyor's plat that is included with Form C-102 for proposed WDW-3 in the surveyor's plat that is included with Form C-102 for proposed WDW-3.

#### **REQUEST 2:**

Navajo shall furnish to the OCD a demonstration of "the ability of the discharger to undertake measures necessary to prevent contamination of ground water," in accordance with 20 NMAC 5210.B.17.

#### **RESPONSE:**

The required demonstration will be forwarded under separate cover by Navajo.

### **REQUEST 3:**

Formation fluid samples from the proposed injection intervals shall be retrieved before any other testing or injection.

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### **RESPONSE:**

A sentence has been added to the last paragraph of Section VII.5 that states that retrieval of formation brine samples will be attempted prior to any stimulation treatments or injection into the well. A replacement page is included.

### **REQUEST 4:**

Was cement circulated to the surface around the surface casing and intermediate casing in proposed WDW-1?

### **RESPONSE:**

Cement was circulated to the surface during the cementing of the surface casing of proposed WDW-1. The Daily Drilling Report for the well (first page of Attachment VIII-8) states that Halliburton circulated 86 sacks of cement to the pit on August 6, 1993, while cementing the surface casing.

Cement was circulated to the surface during the cementing of the intermediate casing of proposed WDW-1. The Daily Drilling Report for the well (second page of Attachment VIII-8) states that Halliburton circulated 133 sacks of cement to the pit on August 10, 1993, while cementing the intermediate casing.

### **REQUEST 5:**

The OCD's calculations of the top of cement around the long-string casing of Map ID No. 161 (the Mewbourne Oil Company Federal "T" No. 1 well) indicate that insufficient cement may be present. Submit temperature or cement bond logs that indicate the top of cement. If no additional information is available to indicate the top of cement, Navajo may be required to perform corrective action on this well.

### **RESPONSE:**

Additional information has been obtained from the records of the OCD and from Mewbourne Oil Company that demonstrates that the top of cement in Map ID No. 161 (the Mewbourne Federal "T" No. 1) is above the top of the injection zone. The information indicates that additional cement was pumped behind the long-string casing of the well and that the casing is cemented at least from the base of the casing up to 6000 feet. The top of the injection zone occurs at approximately 7384 feet in Map ID No. 161, or 1384 feet below the top of cement.

#### **VI.D** Condition of Artificial Penetrations

Each of the wells that penetrates the injection zone was evaluated to determine if it will allow movement of fluids into or between USDWs. For the purpose of this demonstration, the artificial penetrations may be categorized as follows:

#### Class II Saltwater Disposal Wells (1 well);

Map ID No. 83, the I&W Inc., Walter Solt SWD-1, is a Class II saltwater disposal well that is currently active. The well injects into the Wolfcamp in four sets of perforations: 7518 to 7534 feet, 7742 to 7756 feet, 7778 to 7787 feet, and 7810 to 7812 feet. The injection zone coincides with the shallowest formation proposed for injection by the proposed Navajo injection wells. The well has surface and intermediate or production casing set to prevent contamination of the USDW. The casing/formation annulus is cemented across the injection zone, as presented in Attachment VI-3. At the end of the well's useful life, the operator will plug and abandon the well according to OCD regulations with cement plugs set to protect the USDW and with heavy mud left in the wellbore. The Class II well in the AOR is listed below:

Map ID No. 83.

No corrective action is required for this well.

### Active Producing Wells (6 wells):

Active producing wells include producing and shut-in oil and gas wells. The mechanical integrity of active producing wells is monitored by the OCD. These wells have surface and intermediate or production casing set to prevent contamination of the USDW. In all wells, the casing/formation annulus is cemented across the injection zone. Reported top of cement, where available, or calculated top of cement for each casing string in each well is presented in Attachment VI-3. At the end of the wells' useful lives, the operators will plug and abandon the wells according to OCD regulations with cement plugs set to protect the USDW and with heavy mud left in the wellbore. The active producing wells within the AOR are listed below:

Map ID Nos. 81, 124, 134, 144, 161, and 167.

# **ATTACHMENT III-5 (Continued)**

- 11. Rig up cement service equipment. Cement shall be densified Class "H" (or comparable), weighing 16.4 pounds/gallon. Pressure test the surface lines as required.
- 12. Spot sufficient Class "H" (or comparable) cement slurry to develop a cumulative 100-foot column (minimum). Pull the tubing up 200 feet and reverse out excess cement. Catch a sample of cement to check curing time and compressive strength. Allow the cement to set overnight (eight-hour minimum) before tagging top of plug to confirm proper setup and location. Pressure test the plug to the pressure recommended by the OCD. If cement is set adequately, proceed to Step 13. Otherwise, spot additional cement on top of the first plug, as before, to achieve a cumulative 100-foot cement plug. Allow cement to set for a longer period, if necessary.
- 13. Displace the casing with heavy mud from top of plug to 2600 feet (50 feet below the base of the intermediate casing).
- 14. Pull tubing up to 2600 feet. Place densified Class "H" (or comparable) cement plug from 2600 feet to 2500 feet. Pull the tubing up 200 feet and reverse out excess cement. Shut down for eight hours, or as required; then, tag the plug to confirm location. Pressure test the plug.
- 15. Displace the casing with heavy mud from 2500 feet to 450 feet (50 feet below the base of the surface casing).
- 16. Pull the tubing up to 450 feet. Place densified Class "H" (or comparable) cement plug from 450 feet to 350 feet. Pull the tubing up 200 feet and reverse out excess cement. Shut down for eight hours, or as required; then, tag the plug to confirm location. Pressure test the plug.
- 17. Displace the casing with heavy mud from 350 feet to 100 feet.
- 18. Pull the work string to 100 feet below the surface and spot 100 feet of densified Class "H" cement as the surface plug. Lay down remaining tubing and remove the bradenhead. Cut casing strings three feet below ground level.
- 19. Weld a 1/2 inch steel plate across the 9-5/8 inch casing. The location of the well will be marked with a steel marker 4 inches in diameter and 4 feet high above mean ground level. The marker will show the operator name, lease name, well number, section, township, range and unit letter.
- 20. Release all equipment and clean up the location.
- 21. Submit closure data to the OCD, and arrange for inspection of the well and location.

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The cement bond log run on July 20, 1993, from 8100 feet to 6000 feet, shows that good cement bond is present up to 6000 feet. A copy of the log is attached.

The attached Sundry Notice states that on August 26, 1993, the zone from 6868 feet to 7038 feet was perforated, and then fluid was pumped out of the well. As fluid was pumped between August 26, 1993 and September 5, 1993, the volume of fluid produced decreased from 276 barrels to 27 barrels. The ability to pump down the fluid level in the well demonstrates that the zone at 6868 feet to 7038 feet was isolated by cement from any other zones that might have produced fluid while the well was being pumped.

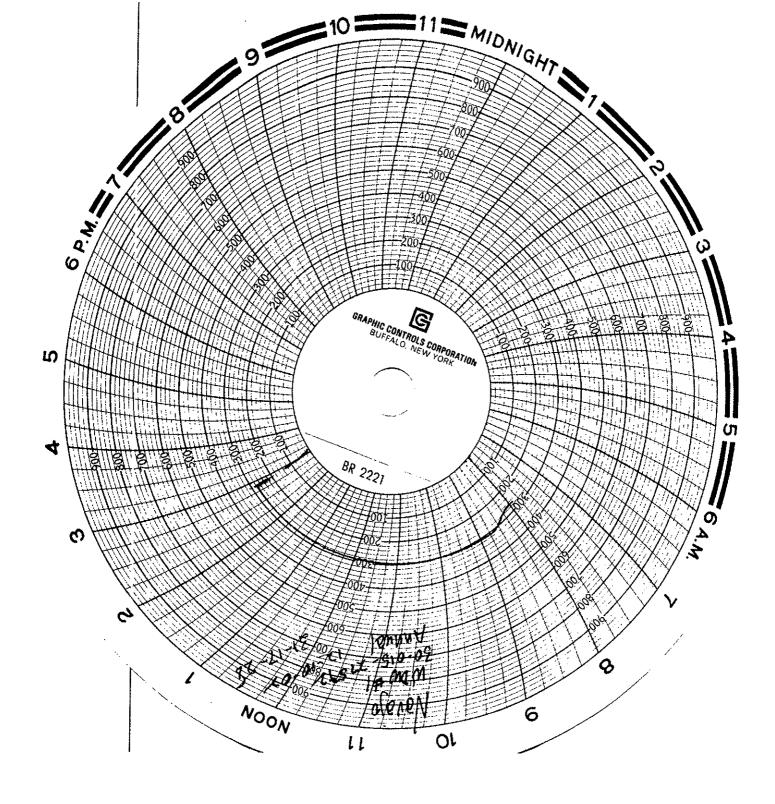
The cement sheath around the long-string casing of Map ID No. 161 extends above the top of the injection zone. Therefore, this wellbore will not provide a pathway for migration of fluids or transmittal of pressure from the injection zone.

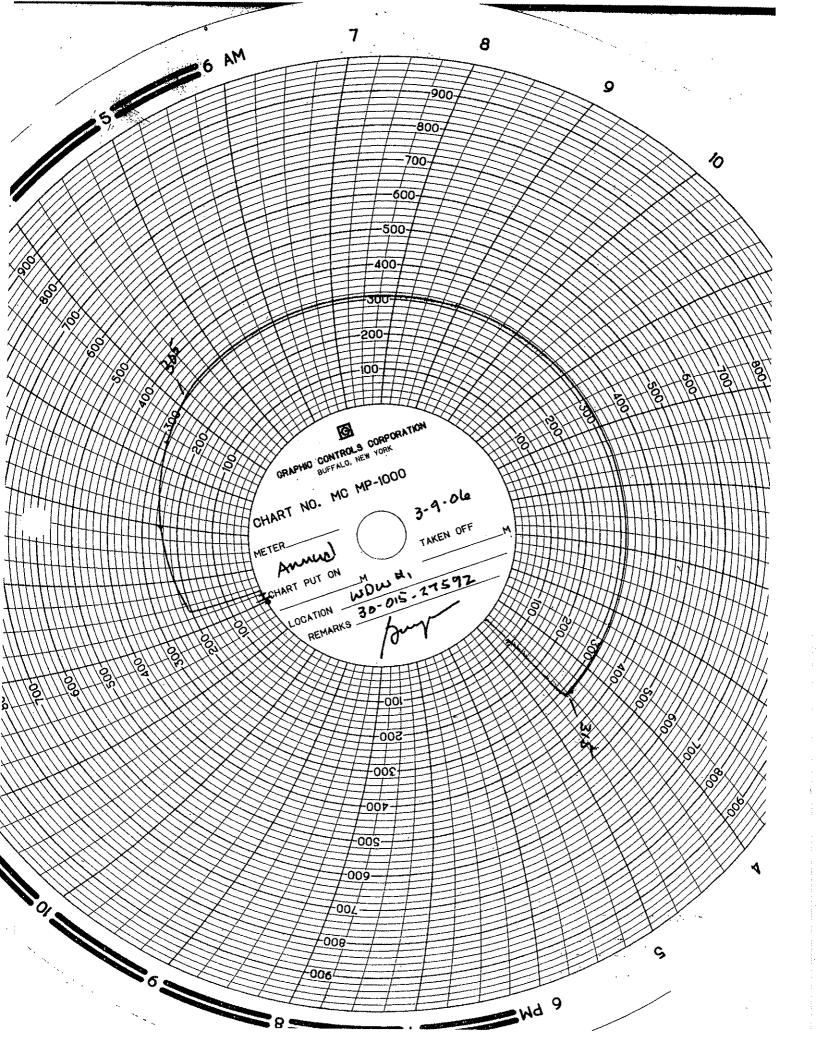
### **REQUEST 6:**

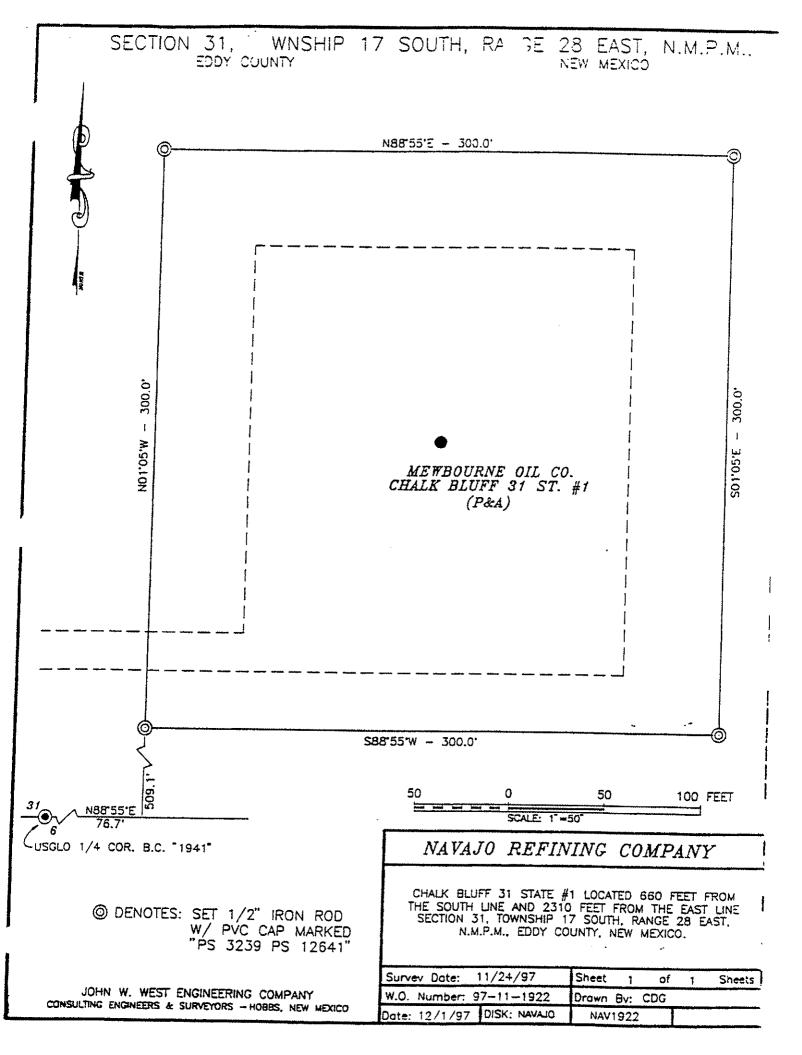
Revise the Closure Plan to state that dry-hole markers will be installed when the wells are plugged.

#### **RESPONSE:**

The Closure Plan (Attachment III-5) has been revised as requested. A replacement page is included.







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

DISTRICT 1 P 90x 1980, Hobbs, NM 88240

P.O. Drawer DD, Artesia, NM \$8210

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

#### State of New Mexico .iergy, Minerals and Natural Resources Depar

#### OIL CONSERVATION DIVISION P.O. Box 2088

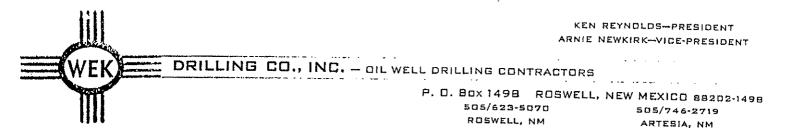
Santa Fe, New Mexico 87504-2088

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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September 13,1993

Mewbourne Oil Company P.O. Box 5270 Hobbs, N.M. 88241

RE: Chalk Bluff "31" State #1

Gentlemen:

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

390' - 1/2'	° 3988' - 1 1/4°	5729' - 4°	7382° - 2 1/4°
867' - 3/4'	° 4493' - 1 3/4°	5722' - 3 1/4°	7851' - 1 1/4°
1338' - 3/4'	° 4995' - 3 1/4°	5786' - 3 1/2°	8342' - 1 1/2°
1839' - 1 1/4'	° 5120' - 3 3/4°	5879' - 3°	
1988' - 1/2'	° 5215' - 4 1/4°	5974' - 3°	9077' - 1/2°
2201' - 3/49	° 5310' - 4 1/4°	6195' - 3 1/2°	9568' - 1°
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Sincerely,

)

Gary W. Chappell Contracts manager

STATE OF NEW MEXICO)

COUNTY OF CHAVES

The foregoing was acknowledged before me this 13th day of September 1993 by Gary W. Chappell.

MY COMMISSION EXPIRES

 $\mathcal{O}$ llas

October 07,1996

NOTARY PUBLIC

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<u>P. C. Box 5270 Hobbs, New Mexico</u> 88241 (505) 393-5905 <u>10. Fedd and Peol, or Exploratory Anta</u> <u>10. Fedd and Peol, or Exploratory Anta</u> <u>10. Fedd and Peol, or Exploratory Anta</u> <u>11. Course or Parato, Same Morry Description</u> <u>12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</u> <u>TYPE OF SUBMISSION</u> <u>TYPE OF ACTION</u> <u>Feddy Co. N.M.</u> <u>12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</u> <u>TYPE OF SUBMISSION</u> <u>TYPE OF ACTION</u> <u>None Contractory of Parato, Same Morry Description</u> <u>Description Program Back</u> <u>Description u>	Hewbourne ()il Concany	the and the second second second second second second second second second second second second second second s	Federal "T" #1
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12       CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF SUBMISSION         Image: Submission       Change of Plans         Subsequent Report       Abandomnest         Image: Submission       Change of Plans         Image: Submission       Recompletion         Image: Submission       Change of Plans         Image: Subsequent Report       Change of Plans         Image: Submission       Change of Plans         Image: Submission       Conversion to Injection         Image: Submission       Cl	660' FNL & 990' FEL Sec. 1	2-T18S-R27E	
TYPE OF SUBMISSION         TYPE OF SUBMISSION         TYPE OF SUBMISSION         TYPE OF SUBMISSION         TYPE OF SUBMISSION         TYPE OF SUBMISSION         TYPE OF SUBMISSION         Change of Inan         Colspan="2">Change of Plans         Subsequent Repon         Description         Change General         Other Proposed of Completed Operations (Clarity state Migration and Casing Reput         Other Proposed of Completed Operations (Clarity state Migration and States, accluding estimated date of stating and measured and true vertical depths for all matters and conseptences to this work."         Other Proposed of Completed Operations (Clarity state Migration and States, accluding estimated date of stating and measured and true vertical depths for all matters and conseptences to this work."         Other Proposed of Completed Operations (Clarity state Migration and States) accluding estimated date of stating and measured and true vertical depths for all matters.         Other Migration Migrati			
TYPE OF ACTION         Image: Interm       Abandomnest         Image: I		(S) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
Allandominesi       Change of Plans         Image: Subsequent Report       Image: Completion       Image: Completion       New Construction         Image: Print Abandomment Nonce       Image: Completion       Image: Completion       New Construction         Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion         Image: Completion       Image: Completion       Completion       Image: Completion       Image: Completion       Image: Completion         Image: Completion       Optimized Addition       Completion       Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Image: Completion       Plans       Image: Completion			
Disbudgenen Report       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back         Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back       Image: Program Back			Change of Plans
Abardonment Nonce     Altering Casing     Completed Operations (Clearly take Al performent details, and pro-perturent dates, including stimuled date of transment any proposed wet. If well is directional indexing any proposed wet. If well is directional index and performent and transment and true vertical depths for all markers and zones perturent to this work." Verball 1 from Adam - BLM.     O7/21/93 Set 5-1/2" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.     O7/22/92 Perf. Cisco Formation (8034'-8042' w/2 SPF & Do55'-8060' w/2SPF. Swabbed tested     all water.     O7/22/93 Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')     O7/27/93 Set cmt. retainer @ 7820'. Pumped 100 sx. cmt. into perfs. (782'-7840')     O7/28/93 Perf. Cisco Formation 7780'-7784' w/2 SPF. Swab tested all water.     O7/28/93 Perf. Cisco Formation 7760'-7784' w/2 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 7760'-7784' w/2 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 7760'-7768' w/2 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 765'-7695' w/4 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 765'-7695' w/4 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 765'-7695' w/4 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 765'-7695' w/4 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 766'-7769' w/2 SPF. Swab tested all water.     O7/30/93 Perf. Cisco Formation 766'-7769' w/2 SPF. Swab tested water w/show of gas.     O8/05/93 1100 BWPD No oil.     The Engineer True Engineer Date August 20, 1993     The Engineer True Engineer Date August 20, 1993     The Engineer Date August 20, 1993     The Engineer Date August 20, 1993     The Marker Date August 20, 1993     The Engineer Date August 20, 1993     The Engi	LAJ Subsequent Report		2 1
1) Describe Proposed or Completed Operations (Clearly state all perturent data): and give perturent data: uncluding estimated date of starting and proposed over all to give subsurface locations and measured and true vertical depths for all matters and some perturent data: uncluding estimated date of starting and proposed over the distribution and true vertical depths for all matters and some perturent data: uncluding estimated date of starting and proposed over. If well is discomplished Research and to give subsurface locations and measured and true vertical depths for all matters and some perturent data: uncluding estimated date of starting and proposed over. If well is discomplished data is a discomplished data of starting and proposed over. If well is discomplished data is a discomplished data of the vertical depths for all matters and some perturent data.         07/19/93       Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.         07/22/92       Perf. Cisco Formation (8034'-8042' w/2 SPF & G055'-8060' w/2SPF. Swabbed tested all water.         07/22/93       Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')         07/22/93       Perf. Cisco Formation 7832'-7840' w/2 SPF. Swab tested all water.         07/22/93       Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/32/93       Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7760'-7768')         07/33/93       Perf. Cisco Formation 7665'-7695' w/4 SPF. Swab tested all water.         08/01/93       Perf. Cisco Formation (7685'-7695') w/3000 gal 15% FE acid.         08/06/93       RIH w/tbg. pump to 5033' & started pumping wel	Final Abandonment Notice		
1) Describe Proposed or Completed Operations (Clearly issue all perturent details, and give perturent dets, including estimated date of starting any proposed over three ideations and measured and use vertical depths for all markers and sones perturent to this work." Verball from Adam - BLM.         07/19/93 Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.         07/22/92 Perf. Cisco Formation (8034'-8042' w/2 SPF & D055'-8060' w/2SPF. Swabbed tested all water.         07/22/93 Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')         07/22/93 Perf. Cisco Formation 7832'-7840' w/2 SPF. Swab tested all water.         07/29/93 Set cmt. retainer @ 7800'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/29/93 Set cmt. retainer @ 780'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/29/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         07/29/93 Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7790'-7798')         07/31/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         07/31/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         07/31/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         08/01/93 Perf. Cisco Formation 7655'-7695' w/4 SPF. Swab tested all water.         08/01/93 Perf. Cisco Formation (7685'-7695') w/3000 gal 15% FE acid.         08/04/93 RIH w/tbg. pump to 5033' & started pumping well.         08/04/93 RIH w/tbg. Pump to 5033' & started pumping well.         08/06/93 1200 BWPD No oil.		[""") - <del>-</del>	
<pre>gve ubsuffee toopnon and measure depuis for all maters and zones perunent dates. Including estimated date of saming any proposed work. If well is directionally diriled. 07/19/93 Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt. 07/22/92 Perf. Cisco Formation (8034'-8042' w/2 SPF &amp; 2055'-8060' w/2SPF. Swabbed tested all water. 07/24/93 Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060') 07/27/93 Set cmt. retainer @ 7820'. Pumped 100 sx. cmt. into perfs. (7832'-7840') 07/28/93 Perf. Cisco Formation 7790'-7798' w/2 SPF. Swab tested all water. 07/24/93 Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7832'-7840') 07/28/93 Perf. Cisco Formation 7700'-7768' w/2 SPF. Swab tested all water. 07/24/93 Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7790'-7798') 07/30/93 Perf. Cisco Formation 7760'-7768' w/2 SPF. Swab tested all water. 07/30/93 Perf. Cisco Formation 7685'-7695' w/4 SPF. Swab tested all water. 07/30/93 Perf. Cisco Formation 7685'-7695' w/4 SPF. Swab tested all water. 08/01/93 Perf. Cisco Formation (7685'-7695') w/3000 gal 15% FE acid. 08/04/93 RIH w/tbg. pump to 5033' &amp; started pumping well. 08/04/93 Iloo BWPD No oil. 1 hereby certify the followard of the topponeary of test extent with the followard of test end to the followard of test end to the topponeary of test end test</pre>	13 Describe Proposed or Complexed O		
07/19/93       Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.         07/21/93       Set 5-1/2" CIEP @ 9040' @ top of liner. Dumped 4 sx. cmt.         07/22/92       Perf. Cisco Formation (8034'-8042' w/2 SPF & C055'-8060' w/2SPF. Swabbed tested all water.         07/22/93       Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')         07/22/93       Set cmt. retainer @ 7820'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/25/93       Perf. Cisco Formation 7790'-7798' w/2 SPF. Swab tested all water.         07/29/93       Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7730'-7798')         07/29/93       Set cmt. retainer @ 7760'. Pumped 100 sx. cmt. into perfs. (7790'-7798')         07/30/93       Perf. Cisco Formation 7760'-7768' w/2 SPF. Swab tested all water.         07/31/93       Set cmt. retainer @ 7745'. Pumped 100 sx. cmt. into perfs. (7760'-7768')         08/01/93       Perf. Cisco Formation (7685'-7695' w/4 SPF. Swab tested water w/show of gas.         08/01/93       Perf. Cisco Formation (7685'-7695') w/3000 gal 15% FE acid.         08/04/93       RIH w/tbg. pump to 5033' & started pumping we11.         08/06/93       1200 BWPD No oil.         The engineer       Dwe August 20, 1993         The engineer       Dwe August 20, 1993	give subsurface locations and measured and true vertice	pertinent details, and give pertunent dates, including estimated date of starting i depths for all markers and zones pertinent to this work be	any proposed work. If well is directionally drilled
Signed	07/19/93 Set 4" CIBP @ 9950' c 07/21/93 Set 5-1/2" CIBP @ 904 07/22/92 Perf. Cisco Formation all water. 07/24/93 Set cmt. retainer @ 8 07/25/93 Perf. Cisco Formation 07/27/93 Set cmt. retainer @ 7 07/28/93 Perf. Cisco Formation 07/29/93 Set cmt. retainer @ 7 07/30/93 Perf. Cisco Formation 07/31/93 Set cmt. retainer @ 7 08/01/93 Perf. Cisco Formation 08/03/93 Acidized Cisco Formation 08/03/93 RIH w/tbg. pump to 503 08/05/93 1100 BWPD No oil.	Verball ver Morrow Perfs. (10,008'-10,054') 10' @ top of liner. Dumped 4 sx. cmt. 1 (8034'-8042' w/2 SPF & 8055'-8060' w, 000'. Pumped 100 sx. cmt. into perfs. 7832'-7840' w/2 SPF. Swab tested all 820'. Pumped 100 sx. cmt. into perfs. 7790'-7798' w/2 SPF. Swab tested all 780'. Pumped 100 sx. cmt. into perfs. 7760'-7768' w/2 SPF. Swab tested all 745'. Pumped 100 sx. cmt. into perfs. 7685'-7695' w/4 SPF. Swab tested wath 90 (7685'-7695') w/3000 asl 155'	from Adam - BLM. Dump 2 sx. cmt. /2SPF. Swabbed tested (8034'-8060') water. (7832'-7840') water. (7790'-7798') water. (7760'-7768')
(This space for Federal or State office use)          Approved by	A State Marine	Time Engineer	
Tide Date			Date AUGUST 20, 1993
	Approved by	Tide	Date

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# 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 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 ter inducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true ve 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 FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

07001

#### Southeastern New Mexico

#### Northwestern New Mexico

	T. Canyon0702	T. Ojo Alamo	T. Penn. "B"	
	. T. Strawn9016'		T. Penn. "C"	
		_ T. Pictured Cliffs	T. Penn. "D"	
506'	T. Miss	_ T. Cliff House	T. Leadville	
<u>596 '</u>	T. Devonian	_ T. Menefee		
1176'	T. Silurian	_ T. Point Lookout	T. Elbert	
14621	T. Montoya	_ T. Mancos	T. McCracken	
1958'	T. Simpson	T. Gallup		
		Base Greenhorn	T. Granite	
	T. Ellenburger	T. Dakota		
	T. Gr. Wash		T.	
	T. Delaware Sand		T	
	T. Bone Springs	T. Entrada	T	
53981		T. Wingate	T	
65931	Т	T. Chinle	Т	
	Т	T. Permain	Т	
7816'	т	T. Penn "A"	T	
	506' 596' 1176' 1462' 1958' 3386' 5398' 6593'	T. Strawn       9016'         T. Strawn       9573'         506'       T. Miss         596'       T. Devonian         1176'       T. Silurian         1462'       T. Montoya         1958'       T. Simpson         3386'       T. McKee         T. Gr. Wash       T. Delaware Sand         T. Bone Springs       5398'         5398'       T. MOTYOW         10016'       T.	T. Strawn       9016'       T. Kirtland-Fruitland         T. Atoka       9573'       T. Pictured Cliffs         506'       T. Miss       T. Cliff House         596'       T. Devonian       T. Menefee         1176'       T. Silurian       T. Point Lookout         1462'       T. Montoya       T. Mancos         1958'       T. Simpson       T. Gallup         3386'       T. McKee       Base Greenhorn         T. Blenburger       T. Dakota       T. Morrison         T. Delaware Sand       T. Todilto       T. Entrada         5398'       T. Storrow       10016'       T. Wingate         5398'       T.       T. Chinle       T. Permain	T. Strawn       9016'       T. Kirtland-Fruitland       T. Penn. "C"

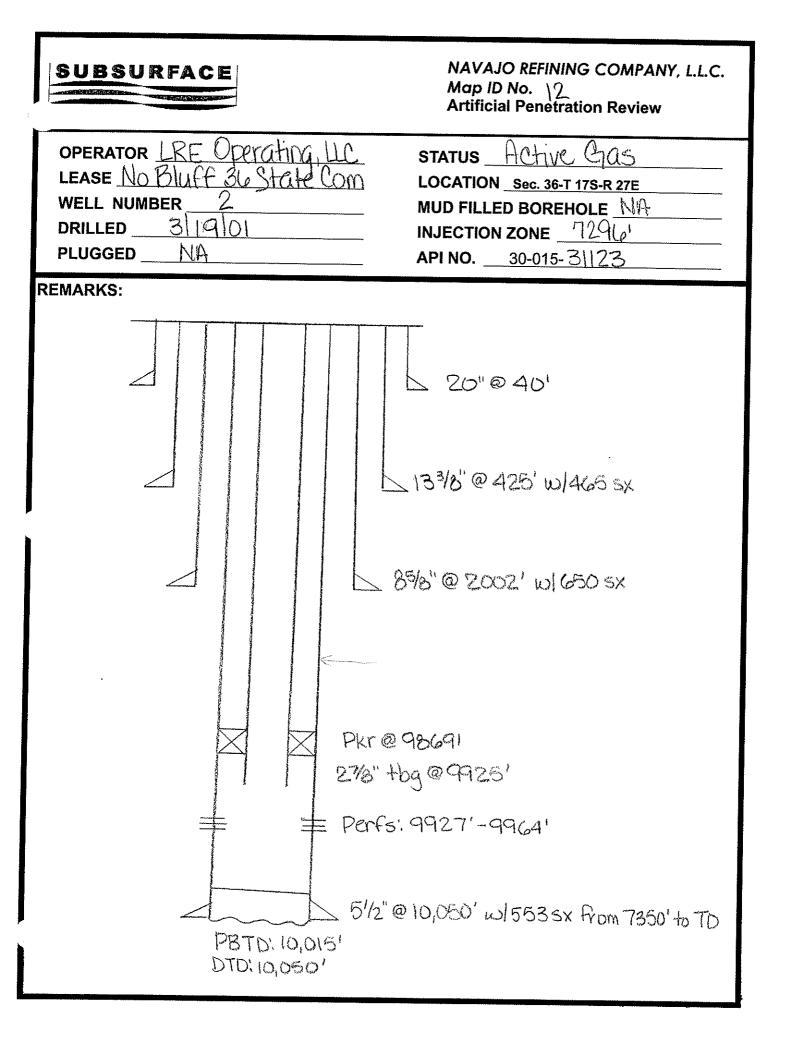
#### **OIL OR GAS SANDS OR ZONES**

Nr	* fromto	No. 3, from								
N	fromtoto	No. 4, fromto								

#### **IMPORTANT WATER SANDS**

# LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness in Feet	Lithology	From	То	Thickness in Feet	Lithology
0'	400'	400'	Surface rock, Anhydrite				
400'	6900	6500'	Dolomite, Chert, Sandsto	e, Sha	le		
6900'	7800'	900'	Limestone, Shale, Chert				
7800'	8500	700°	Dolomite, Shale				
8500'	9600'	1100'	Limestone, Shale				
9600'	10200	600'	Limestone, Sandstone, Ch	rt, &	Shale		
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30-015-31123

Prop - 25858 Port - 78890

Geal. Tops por 1BCA

Bruers 845 Green 1040 Graybung 1372 San Anotes 1733 Glariera 3197 Tubb 4057

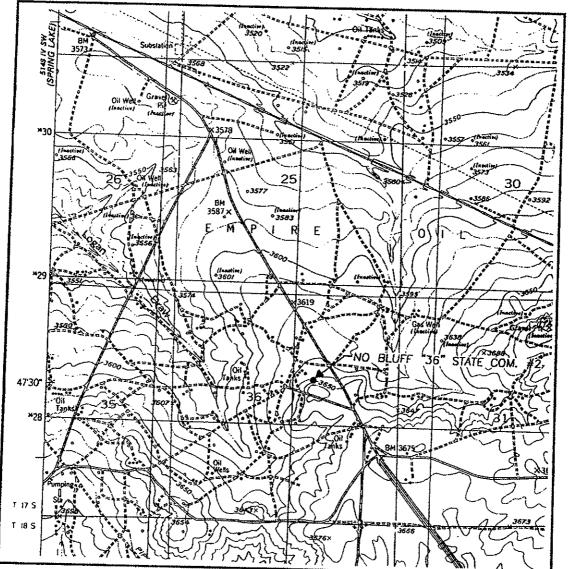
Ab 5018 Waltcomp 6735 CISCO '8237 Chinyon 8360 STRAWN 8881 Atoka 9464 Merrow 9650

COMP Z-DL/COMP NELET /GR Serf-9984

GR 1990-10013

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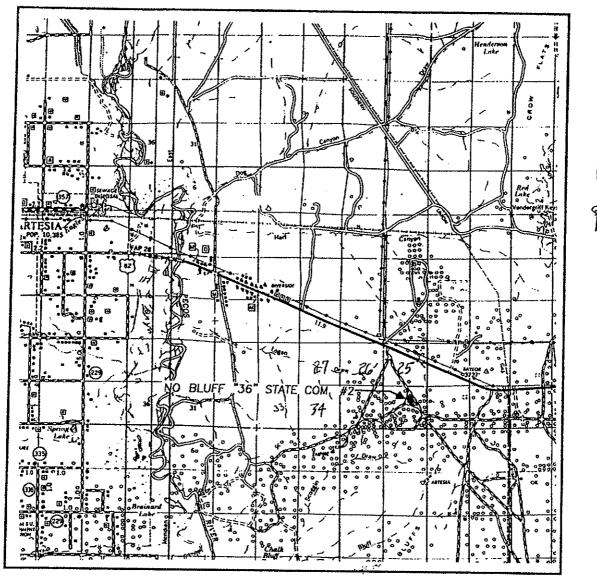
# LOCA.ION VERFICATION MAP



SCALE: 1'' = 2000'

SEC. <u>36</u> TWP. <u>17-S</u> RGE. <u>27-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>1980' FNL & 1980' FEL</u> ELEVATION <u>36.39</u> SOUTHWESTERN ENERGY PRODUCTION CO. LEASE <u>NO BLUFF "36" STATE COM.</u> U.S.G.S. TOPOGRAPHIC MAP RED LAKE, N.M. CONTOUR INTERVAL: RED LAKE, N.M. - 10'

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 VICINITY MA~



SCALE: 1'' = 2 MILES

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SEC. <u>36</u>	TWP. <u>17-s</u> RGE. <u>27-e</u>
SURVEY	N.M.P.M.
COUNTY	EDDY
DESCRIPTION	1980' FNL & 1980' FEL
ELEVATION_	3639
	SOUTHWESTERN ENERGY PRODUCTION CO.
LEASE NO	BLUFF "36" STATE COM.

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 2000'-10,100' 13-5/8" 5000# double ram type preventers, 5000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 3000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

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Any equipment failing to test satisfactorily, will be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log.

The BOP's will be maintained ready for use until drilling operations are completed. BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

#### **GENERAL DRILLING PROGRAM- Attachment to Form C-101**

Southwestern Energy Production Company- No Bluff "36" State Com. #2 1980' FNL 1980' FEL Section 36-T17S-R27E Eddy County, New Mexico

Elevation: 3639'GR

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Proposed Total Depth: 10,100\*

Estimated Formation Tops

San Andres	1851'
Glorietta	3355'
Wolfcamp	6670'
Strawn	9030'
Morrow Clastics	9770'
Missippian	10,000

#### Casing/Cement Program

Hole Size	Casing Size/Weight/Grade	Setting Depth	Cement	Est. TOC
	20" Conductor pipe	40'	ready mix	surface
17- <b>1/2</b> "	13-3/8" 61# J-55 ST&C	425'	1500 sx 15:85 Poz: Class C + 0.25 pps D29+2% S1+2% D20	surface
12-1/4"	8-5/8" 32# J-55 ST&C	2000'	Lead: 1260 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29 Tail: 235 sx Class C+ 2% S1 +0.25 pps D29	surface
7-7/8"	5-1/2" 17# N-80 L'ſ&C	10,100'	860 sx 50:50 Poz: Class H + 6% D44 +2% D20+0.4% D59	8000'

#### **Drilling Fluids Program**

Depth	Mud Weight	Viscosity	Fluid Loss	Comments
0-425'	8.4-8.6	32-34	NC	spud mud
425'-2000'	9.0-9.2	28-29	NC	cut brine water, paper, caustic
2000'-9300'	8.4-9.3	28-29	NC	cut brine, caustic, paper
9300'-10,100'	9.3-9.6	34-38	<15 cc	xantham gum, starch

#### **Blowout Prevention Program- Attachment to Form C-101**

0'-425' None

425'-2000' 20" 2000# annular preventer system.

C       36       17 S       27 E       1980       NORTH       1980       EAST       EDI         Bottom Hole Location If Different From Surface         Ut or lot No.       Section       Township       Range       Lot Idn       Feet from the       North/South Hne       Feet from the       East/West Hne       Count         Dedicated Acree       Joint or Infill       Consolidation Code       Drder No.        Count       Count <td< th=""><th>DISTRICT II P.O. Drawer DD. Arto DISTRICT III 1000 Rio Brazos F DISTRICT IV P.O. BOX 2008, GANT.</th><th>Rd., Axtec, N</th><th>TM 88211-0719 ML 87410</th><th>OIL</th><th>CON</th><th>State of New Minorals and Natural SERVATI P.O. Box 2 e, New Mexic</th><th>ON D<b>UV</b>IS</th><th>MACTOR .</th><th>Revised Februar</th><th>rict Office - 4 Copies - 3 Copies</th></td<>	DISTRICT II P.O. Drawer DD. Arto DISTRICT III 1000 Rio Brazos F DISTRICT IV P.O. BOX 2008, GANT.	Rd., Axtec, N	TM 88211-0719 ML 87410	OIL	CON	State of New Minorals and Natural SERVATI P.O. Box 2 e, New Mexic	ON D <b>UV</b> IS	MACTOR .	Revised Februar	rict Office - 4 Copies - 3 Copies	
Property Code     NO     BLUFF     "36" STATE     Weil Number       0GRD No.     SOUTHWESTERN ENERGY PRODUCTION CO.     3639       Surface Location       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     North/South line     Feet from the     Letertion       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     NoRTH     1980     EAST     EDI       Bottom Hole Location If Different From Surface       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     NoRTH     1980     EAST     EDI       Bottom Hole Location If Different From Surface       UL or lot No.     Section     Township     Range     Lot Ida     Peet from the     Rest/West line     Court       Dedisated Acree     Joint or Infill     Consolidation Code     Order No.     OPERATOR CERTIFICATION     ////////////////////////////////////			,	WELL LC	CATION	AND ACREA	GE DEDICAT	ON PLAT	Ŷ		
NO BLUFF "36" STATE COM.     2       OGRD No.     Operator Name     Elevation       SOUTHWESTERN ENERGY PRODUCTION CO.     3639       Surface Location     Surface Location       UL or lot No.     Section       G 36     17 S       27 E     Ist idn       Bottom Hole Location If Different From Surface       UL or lot No.     Section       Bottom Hole Location If Different From Surface       UL or lot No.     Section       Dedicated Acres     Joint or Infill       Consolidation Code     Order No.       320     Order No.       36     Order No.       37     Operator Support       38     Operator CERTIFICATION       38     Operator CERTIFICATION       38     Operator CERTIFICATION       38     Operator CERTIFICATION       38     Operator Support	API	Number	ber		Pool Code			COLOR DA			
OGRD No.     Operator Name     Stevenion       SOUTHWESTERN ENERGY PRODUCTION CO.       Surface Location       UL or let No.     Section       G 36     Township       Range     Let Idn       Perform the North/South line       G 36       Township       Range       Let Idn       Perform the North/South line       Perform the Internation of Different From Surface       UL or let No.       Section       Township       Range       Let Idn       Perform the North/South line       Perform the Section Township       Bate       Dottom Hole Location If Different From Surface       UL or let No.       Section Township       Bange       Let Idn       Performation or Infill       Consolidation Code       Order No.       320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED       OPERATOR CERTIFICATION       / A stoco <td cols<="" td=""><td>Property (</td><td>Code</td><td></td><td>L</td><td>NO BU</td><td></td><td></td><td></td><td></td><td>iber</td></td>	<td>Property (</td> <td>Code</td> <td></td> <td>L</td> <td>NO BU</td> <td></td> <td></td> <td></td> <td></td> <td>iber</td>	Property (	Code		L	NO BU					iber
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G       36       17 S       27 E       1980       NORTH       1980       EAST       EDI         Bottom Hole Location If Different From Surface         UL or lot No.       Section       Township       Range       Lot Idn       Feet from the       North/South line       Feet from the       East/West line       Count         Dedicated Acres       Joint or Infill       Consolidation Code       Order No.       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNTI HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION         10       A NON-STANDARD UNTI HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION       I hereby certify the the informatic contained herein is frue and complete to the best of my knowledge and being.         360'       #1       B       B       Signature       Cathy Rowan         7       Title       Title       Have 4, 2000       Date       SURVEYOR CERTIFICATION         1       Hardy 2, 2000       Date       SURVEYOR CERTIFICATION       I hereby certify that the well location show	L.,			30011	. # 65 1 61						
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Dedicated Acres       Joint or Infill Consolidation Code       Order No.         320       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION         MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		<b>-</b>		y	·	· · · · · · · · · · · · · · · · · · ·					
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on this plat was plotted from field notes a actual surveys made by me or under r supervison and that the some is true a correct to the best of my bolig. APRIL 19, 2000 Date Surveyed Signature & Soci/of Professional Surveyor. 00-11-0509 Contificate No. RONALD I. EDSON 323		000				1980,		I hereby contained hereby best of my know Signature Cathy Roy Printed Name	y certify the the inj i is true and comple lodge and bolief. WAN	ormation	

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listrict I 1625 N. Frenc	h Dr., Hobi	bs, NM 882	40 <sup>°</sup>	· \	• State o	f New Me	KICE S	HAY 2000 RECEIVED <sup>Sul</sup> CD - ARTESIA	3	Forn C-101	
District II				Ene	rgy Mineral	s and matur	ar <b>G</b> esou	NAY 2000	Rev	ice Martil 17, 1999	
811 South First, Artesia, NM 88210 District III Oil Cons						ervation D	N	DECEMEN Sul	omit <b>N</b> ppropr	iate District Office	
1000 Rio Braz	os Road, A	ztec, NM 8	7410				Ha n	CD - ARTESIA	Stat	e Lease 6 Copies	
District IV 2040 South Pa	inhana San	ia Fa NM I	27505		Santa	Fe NM $87^4$	des 0		8/ **	e Lease - 5 Copies	
					Jana	South Pache Fe, NM 875	T's	. 1	АМ 🗆 🖌	ENDED REPORT	
			PERMIT	70 D.D.T			52	2212020155		0 4 701	
APPLI	CATIC	ON FOR	<sup>1</sup> Operator Name	TO DRI	LL, RE-E	NTER, DI	LEPEN,	PLUGBAC	COGRID Number	D A ZONE	
		Southwe	stern Energy P		Company			148111	COAD Number		
	23		Sam Houston P	arkway Ea							
			Houston, T	<u> </u>					<sup>3</sup> API Number		
								30-015	- 3112	3	
<sup>3</sup> Proper	ty Code	T			<sup>5</sup> Property N			Ĩ	<sup>6</sup> Wel	No.	
25	858			No	Bluff "36" S				2		
	<b>,</b>		_		<sup>7</sup> Surface L	ocation					
UL or lot no.	Section	Township	Range	Lot Id	n Feet fr	om the North	South line	Feet from the	East/West line	County	
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UL or lot no.	Section	Township	Range	Lot Id		1	South line	Feet from the	East/West line	County	
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			Proposed Pool 1					" Propo:	sed Pool 2		
		Wil	dcat (Mississippia	n)							
11 Mark 1	Type Code	I	12 Well Type Co		1) Cabl	c/Rotary	13	Lease Type Code	13 Grou	ind Level Elevation	
	V V		G	oue		Rocary		S	1 010	3639	
	uttiple		17 Proposed Dep	pth		mation		<sup>19</sup> Contractor	<sup>10</sup> Contractor <sup>20</sup> Spud Date		
1	<u>v</u>		10,100'		Missis	sippian	<u> </u>	Patterson	5/2	5/00 (est.)	
			<sup>21</sup> ]	Proposed	Casing an	d Cement I	rogram				
Hole Si	ze	Ca	sing Size	Casing	weight/foot	Setting I	Depth	Sacks of Ce	ment	Estimated TOC	
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17 - 5	<i>'</i> ?"	13	- 3/8"	f	51#	425	;,	1500		Surface	
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22 Describe	he propose	d program.	If this application	n is to DEEP	EN or PLUG B	ACK, give the d	ata on the p	resent productive a			
zone. Des	scribe the bl	lowout prev	ention program, i	if any. Use a	dditional sheets	if necessary.			CD at SPL		
									ss cementii 1811	ng the	
SEE ATTACH	MENT								10	casing.	
23 L hereby certi	fy that the i	nformation	given above is th	ue and comp	lete to the		OILCO	DNSERVAT	ON DIVIS	<b>ION</b>	
best of my know	·. /		5	oo tala oomp	}						
	2 Lind	1 Ma	1.12								
Signature: ( 2	er pg	JUNI	(Lun				ORIGIA	AL SIGNED	BY TIM W. (		
····	$-U_{-}$					Approved by:		CT I SUPER	/isor	TDGA	
Printed name:	Cathy Re	owan					<b>NA 45 4</b>			<b>ME</b> = 0.0004	
Title: Drilling	Technician					Approval Date		0 <u>32000</u> E	xpiration Date	AY 63 2001	
Date: May 2,	2000		Phone: 28	1- 618 - 4733	3	Conditions of a	Approval:				
						Attached 🗖					

Marinal J 1865 H. French Mr., Babbs, Mit 88868

NATIONALI P.O. Deware DD, Artania, KME 80811-0718

NUMBER OF

P.O. Devene DD, Artania, XXE 88811-8711

1887 No Brenes M., Antes, 102 87410

2545 Bouth Pashese, Sonta Je, 336 \$7985

#### OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Network Resources Department

Form. C--102 Noviesd August 15, 2000 Submit is Appropriate District Office State Lease - 4 Copies For Lease - 2 Copies

XX AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 30-015-31123 <u>Wildcat (Mississippian)</u> NO BLUFF "36" STATE COM **Property** Code . Yell Number 25858 2 OCKID No. Operator Name Elevation SOUTHWESTERN ENERGY PRODUCTION CO. 148111 3634 Surface Location UL or lot No. Bection Township Range Lot Ida Feet from the North/South line East/Test line Test from the County Н 36 17 S 27 E 1980 NORTH 760 EAST EDDY Bottom Hole Location If Different From Surface UL or lot No. Section. Township Zance Lot Lin Feet from the North/South line Feet from the Mast/Wast Has County Dedicated Acres Joint or Infill Consolidation Code Order No. 320 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 660' **OPERATOR CERTIFICATION** hereby certify the the information rain ja irus and sa nation for the 860' **#**1 Hanatur **Gathy** Rowan Printed Name Sr. Engineering Tech. Title 760' March 1, 2001 **#2** Date ANT CARLON RECORDER TO THE MENTING SURVEYOR CERTIFICATION I hereby certify that the well location an on this plat was pisted from field noise of actual surveys made by ma or under my And the second s auguarvisors and that the same is true and correct to the best of muy belief. February 28, 2001 ŝ Date Surveyed M2 Signature & Seel of WESSIONAL SURFACE RECEIVED Professional Surveyor OCD - ARTESH W.O. Num. 2001-0151-S Certificate No. MACON McDONALD 12185

District IV 2040 South P	rst, Artesia, zos Road, A acheco, Sar	NM 88210 Aztoc, NM 8 <i>O</i> Ita Fe, NM 8	4           7df6020000           CD - ARTEST,           17505           PERMIT	4 TO DR	ergy Minera Oil Cons 2040 Santa ILL, RE-H	servation South Pa Fe, NM	atural Resou n Division acheco 87505		Submitte appro	Form C-101 evised March 17, 1999 priate District Office ate Lease - 6 Copies Fee Lease - 5 Copies MENDED REPORT DD A ZONE
			<sup>1</sup> Operator Name stern Energy P	and Address	5			148111	<sup>2</sup> OGRID Numb	er
	23	50 North S	Sam Houston I Houston, T	Parkway Ea	ast, Suite 300			110111		
			Trouston 1	A 17032					<sup>3</sup> API Number	
<sup>3</sup> Proper		Ţ	****		S Property ?			30 - 015 -		ell No.
	25858			No	Bluff "36" S					2
		<u> </u>			<sup>7</sup> Surface I		1			
ULorlotno.	Section 36	Township	Range	Lot h			North/South line	Feet from the	East/West line	County
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				Lorn		Jan vae	North Sodiul nate	reet nom me	East/West line	County
	<sup>°</sup> Proposed Poot 1							<sup>10</sup> Pro	posed Pool 2	
		Wild	cat (Mississippia	n)						
Work T	ype Code	<u> </u>	<sup>12</sup> Weil Type Co	da T	11 Cabl	Rotary	15	Lease Type Code	L 15 -	
י	1		G		]	<u>R</u> <u>S</u> 3634				
16 Mu N			" Proposed Dep 10,050'	oth		mation sippian		<sup>19</sup> Contractor <sup>20</sup> Spud Date UTI 04/01/01 (est.		
				roposed	Casing an		nt Program	011	04/	01/01 (est.)
Hole Siz	æ	Casi	ing Size		weight/foot		ng Depth	Sacks of	Cement	Estimated TOC
26"		2	20"				40'	Ready		Surface
17-1/	2 <b>**</b>	13 -	- 3/8"	e	51#	۷	425'	150		Surface
12 – 1/2	4,37	8	5/8"	3	32#	2,	,000'	1,49	95	Surface
7 7/8	••	5	1⁄2"	1	7#	10	,100'	86	0	8,000'
	cribe the bl	owout preve	ntion program, i	fany. Use a	dditional sheets	if necessary	<i>i.</i>	esent productivi	e zone and propose	d new productive
23 1 hereby certif	y that the ir	formation g	iven above is tru	e ar.d compl	lete to the		OIL CO	NSERVAT	FION DIVIS	ON
best of my know	· /		~					-h		
Signature:	Hiy 4	auc	i-	·····		·····	/.	<i>90</i> 0		
	11		·····	<u></u>		Approved b	by: ORIGI	VAL SIGNE	D BY TIM W	GUM
Printed name:	Cathy Ro							CT'H SUP		
Title: Sr. Engin		inician	T			Approval I	Date MAR - 8	2081	Expiration Distant	2 - 8 2962
Date: March I	. 2001		Phone: 281	- 618 - 4733			of Approval:			

#### **GENERAL DRILLING PROGRAM- Attachment to Form C-101**

Southwestern Energy Production Company- No Bluff "36" State Com. #2 1980' FNL 760' FEL Section 36-T17S-R27E Eddy County, New Mexico

Elevation: 3630' GR

.

Proposed Total Depth: 10,100'

Estimated Formation Tops

Yates	320'
7 Rivers	460'
Queen	1000'
Grayburg	1300'
San Andres 'D'	1784'
Glorieta	3160'
Wolfcamp	6470'
Strawn	8870'
Atoka	9430'
Morrow Lime	9544'
Morrow Clastics	9724'
Missippian	10,040'

#### Casing/Cement Program

1900'-9300'

9300'-10.050'

<u>Hole Size</u>	Casing Size/Weight/Grade	Setting Depth	Cement		Est. TOC
	20" Conductor pipe	40'	ready mix		surface
17-1/2"	13-3/8" 61# J-55 ST&C	425'	550 sx 15:85 Pe + 0.25 pps D29	oz: Class C +2% S1+2% D20	surface
12-1/4"	8-5/8" 32# J-55 ST&C	1900'	Lead:700 sx 35 + 6% D20+ 0.2 Tail: 235 sx Cla +0.25 pps D29	surface	
7-7/8"	5-1/2" 17# N-80 LT&C	10,050'	860 sx 50:50 Poz: Class H + 6% D44 +2% D20+0.4% D59		8000'
Drilling Flu	ids Program				
Depth	Mud Weight	Viscosity	Fluid Loss	Comments	
0-425'	8.4-8.6	32-34	NC	spud mud	
425'-1900'	9.0-9.2	28-29	NC	cut brine water,pape	er,caustic

NC

<15 cc

cut brine,caustic,paper

xantham gum, starch

Blowout Prevention Program- Attachment to Form C-101

28-29

34-38

8.4-9.3

9.3-9.6

Submit 3 Copies To Appropriate District Office <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 2040 South Pacheco, Santa Fe, NM 87505	Energy, Minera OIL CONSEF 2040 S		ural Resources N DIVISION heco	WELL API NO. 30-01 5. Indicate Type STATE 6. State Oil & O	of Lease	
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) 1. Type of Well:	ATION FOR PERMIT" (FO	EPEN OR PL	UG BACK-TO A	<ol> <li>Lease Name of Name:</li> <li>No Bluff "36" Sta</li> </ol>	or Unit Agreement te Com	
Oil Well X Gas Well 2. Name of Operator	Other			8. Well No. 2		
Southwestern Energy Production Co	mpany /		RECEIVED	· · · · · · · · · · · · · · · · · · ·		
3. Address of Operator		0	CD · ARTESIA	.8. Pool name or	Wildoot	
2350 N. Sam Houston Parkway East	Suite 300 - Houston	TX 77032	CONTESTA S	Wildcat (Mississip		
4. Well Location	, outo 500 Tiouston,	1/1/1/054		/ Wildcar (Wilssissip	pian)	
			S. S.			
Unit Letter H :	1980 feet from the		line and 760	Frank Frank Mar	Y	
	<u>1700</u> (cet itom a	IC IN	11110-2010 /00	feet from the	<u>E</u> line	
Section 36	Township	17S Rar	nge 27E	NMPM Eddy	County	
	10. Elevation (Show			)		
	3634' GR			<i>`</i>		
11. Check Ap	propriate Box to In	ndicate Na	ature of Notice. F	Report or Other I	Data	
NOTICE OF INT	ENTION TO:			SEQUENT REF		
PERFORM REMEDIAL WORK		N	REMEDIAL WORK		ALTERING CASING	
				•		
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRIL	LING OPNS. 🗖	PLUG AND	
PULL OR ALTER CASING	MULTIPLE		CASING TEST AN	D 🕅	ABANDONMENT	
······································	COMPLETION		CEMENT JOB			
OTHER:			OTHER:			
12 Describe proposed or completer	Innarations (Clearly)	stata all non	timent details and ai		.1.1	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

#### 03/19/01 thru 03/20/01

Set 20" conductor to 40'. Cmt to surf w/ready mix. Spud @ 9:00 CST on 03/19/01. Drl to 425'. Run 10 jts -13-3/8" 48#, H-40 csg to 425'. Cmt w/465 sx Class C + 2% S1 + 0.25 pps D29. Circ to surf. WOC 18 hrs. Tst csg. OK.

I hereby certify that the information above is true and comple	te to the b	est of my knowledge a	nd belief.		
SIGNATURE / IMMIN & UM	TITLE	Drilling Technician		DATE	03/21/01
Type or print name Vonnie J. Cermin			Telephone No.	281-618-473	9
(This space for State is ORIGINAL SIGNED BY THE W. C APPPROVED BY	WM			APR	2 5 2901
APPPROVED BY	TITLE			DATE	
Conditions of approval, if any:					

Submit 3 Copies To Appropriate District Office <u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 2040 South Pacheco. Santa Fe, NM 87505	Energy, Minera OIL CONSE 2040		nural Resources N DIVISION Checo	WELL API NO. 30-015-31123 5. Indicate Type of STATE 5 6. State Oil & G	FEE	
SUNDRY NOTION (DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) 1. Type of Well: Oil Well X Gas Well	CES AND REPORTS ALS TO DRILL OR TO DE ATION FOR PERMIT" (FO	EFPEN OR PI	LIG BACK TO A	<ol> <li>Lease Name o Name:</li> <li>No Bluff "36" Stat</li> </ol>		
<ol> <li>Name of Operator</li> <li>Southwestern Energy Production Co</li> <li>Address of Operator</li> </ol>	ompany 1			<ol> <li>8. Well No. 2</li> <li>8. Pool name or V</li> </ol>	X/11 1 /	
2350 N. Sam Houston Parkway East 4. Well Location Unit Letter <u>H</u> :				Wildcat (Mississip)	pian)	
	Township 10. Elevation (Show 3634' GR	17S Rat whether D	nge 27E R, RKB, RT, GR, etc.,	NMPM Eddy	County	
11. Check Ap	propriate Box to In	ndicate Na	ature of Notice, R	leport or Other D	ata	
	ENTION TO:			EQUENT REP		s 🗆
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DRIL	LING OPNS.	PLUG AND	,
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12. Describe proposed or completed	operations. (Clearly s	state all per	inent details, and giv	e pertinent dates, in	cluding estimated d	ate

of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

04/19/01 thru 04/28/01.

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MI RU CU. Drl cmt.	. Tag TD. Corrected TD - 10,01	5'. Perf. L. Morrow from 9,927' -	9.964'. Swab. RD		
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			1.1.14	ANTESIA SI
I hereby certify that the info	mation above is true and complete to the b	est of my knowledge and belief.		
SIGNATURE	fletch TITLE	Sr. Engineering Technician	DATE	05/21/01
Type or print name Cathy			Telephone No.	
(This space for State use)	ORIGINAL SIGNED BY TIM W. GUN DISTRICT II SUPERVISER			L 0 5 2001
APPPROVED BY Conditions of approval, if an	TITLE y:		DATE_	

Submit 3 Copies To Appropriate District Office <u>District [</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 2040 South Pacheco, Santa Fe, NM 87505	Energy, Minerals OIL CONSER 2040 S		Iral Resources	5. Indicate Type STATE	Form C-103 Form C-103 5 - 3//2 3 of Lease $\overline{X}$ FEE Gas Lease No.
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) 1. Type of Well:	ATION FOR PERMIT" (FOR	EPEN OR PL	UG BACK TO A	<ol> <li>Lease Name Name:</li> <li>No Bluff "36" State</li> </ol>	or Unit Agreement ate Com
Oil Well X Gas Well 2. Name of Operator Southwestern Energy Production Co 3. Address of Operator 2350 N. Sam Houston Parkway Eas	· · · · · · · · · · · · · · · · · · ·	TX 77032	RECEIVED OCD ARIES	8. Well No. 2 8. Pool name or Wildicat (Mississi	Wildcat
4. Well Location Unit LetterH:_	1980 feet from the	e <u>N</u>	line and760	feet from the	· · · ·
Section 36	Township 1 10. Elevation (Show y 3634' GR			NMPM Eddy )	County
	ppropriate Box to In FENTION TO:			SEQUENT RE	
	CHANGE PLANS				
PULL OR ALTER CASING	MULTIPLE COMPLETION	Lî	CASING TEST AN CEMENT JOB		_
OTHER:	A		OTHER:		

 Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

#### 03/21/01 thru 03/23/01

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Drl to 2002'. Run 45 jts -8-5/8" 32#, J-55 csg to 2002'. Cmt lead w/500 sx 35/65 Poz "C" + 5% D44 BWOW + 6% D20 + 0.25 PPS D29. Cmt tail w/150 sx Class "C" + 2% S1 + 0.25 pps D29. Circ to surf. WOC 18 hrs. Tst csg. OK.

I hereby certify that the information above is true and complete to the b	est of my knowledge and belief.		
SIGNATURE / Myre Cen TITLE	Drilling Technician	DATE	03/27/01
Type or print name Vonnie J. Cermin	Telephone No.	281-618-473	19
(This space for State use) APPPROVED BY ORIGINAL SIGNED BY THE MANNEL BISTRICT II SUPERVISOR		APR 	2 <b>5 2001</b>

Submit 3 Copies To Appropriate District Office <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	State	of New M als and Nat		WELL API NO.	Form C Revised March 25	
District II 811 South First, Artesia, NM 88210	OIL CONSE	RVATIO	N DIVISION	30-015-31123		
District III 1000 Rio Brazos Rd., Aztec, NM 87410		South Pac		5. Indicate Type STATE	of Lease	
District IV 2040 South Pacheco, Santa Fe, NM 87505	Santa	Fe, NM 8	7505		Gas Lease No.	
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Southwestern Energy Production C 3. Address of Operator	ompany			0		
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Unit Letter <u>H</u> :	<u>1980</u> feet from t	the <u>N</u>	line and 760	feet from the _	<u> </u>	
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stien biring	3634' GR					
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<ol> <li>Describe proposed or complete of starting any proposed work). or recompletion.</li> </ol>	d operations. (Clearly SEE RULE 1103. Fo	state all per r Multiple C	tinent details, and gi completions: Attach	ve pertinent dates, wellbore diagram	including estimated d of proposed completion	late on
03/23/01 thru 04/16/01						
Drl to 10,050'. Log. Run SW Cores BWOW + 6% D20 + .1 PPS D130.	. Run 232 jts -5 1/2" Calc. TOC @ 7,350'.	17#, N-80 c Release rig	sg to 10,050'. Cmt v @ 2100 CST on 4/10	w/553 sx 35/65 Po 5/01. WOCU.	z "C" + 5% D44	,
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				.8171	OCD - ARTESIA	627282930J
I hereby certify that the information	bove is true and comp	lete to the b	est of my knowledge	and belief.	The same it	
SIGNATURE / //////////////////////////////////	uli-	TITLE	Sr. Engineering Te		DATE 05/21/	
(This space for State used)			188	1 eleph	none No. 281-618-47	33

	THEE OIL Engineering reclimician	DATE	03/21/01
Type or print name Cathy	Rowan	Telephone No.	281-618-4733
(This space for State use) APPPROVED BY	ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVIGOR TITLE	DATE	JUL 0 5 2001
Conditions of approval, if a	ny:	DATE_	

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<u>District I</u> 1625 N. Fren District II	ich Dr., Hobl	os, NM 88240	,	Sta Energy, Mi	ite of Ne nerals &	w Mexic Natural H	:0 Resources	6	√ 0. <sup>⊥</sup>	Form C Revised March 25,
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#### Arrant, Bryan

From:	Arrant, Bryan
Sent:	Monday, July 15, 2002 1:37 PM
To:	Jones, William V
Cc:	Gum, Tim
Subject:	RE: No Bluff "36" State Com Well No. 2 API: 30-015-31123

Will,

I briefly looked into the area surrounding the Bluff 36 State Com. #2 well and I see that there is Abo production immediately to the south of this well.

The operator should had brought cement to cover the Abo. As you indicated with operators permitting Glorieta-Yeso wells in this area, possibly cement up though these formations also. Once you issue an order, we will take steps and have SW Energy perf and squeeze their production casing to meet OCD requirements. If you have other plans or concerns, please advice.

Bryan

#### -----Original Message-----

 From:
 Jones, William V

 Sent:
 Thursday, July 11, 2002 8:50 AM

 To:
 Gum, Tim

 Cc:
 Arrant, Bryan; Catanach, David

 Subject:
 No Bluff "36" State Com Well No. 2 API: 30-015-31123

Hello Tim:

I thought I would send an email with all the facts as I have found them:

This well was drilled and 5.5 inch set to 10050' (to the Mississippian) on 4/16/01. They only used 553 sx of cement and calc cement top at 7,350'. Many operators in this area to this depth have used 2 stage tools and cemented 2000 sacks total in 3 stages. I see OCD instructions in the file 5/3/2000 for the operator (Southwestern Energy Production Company) to "cover all oil, gas, and water bearing zones".

I think there are other productive zones. For instance, the Jeffers 36 St #003 (api: 30-015-31541) and other wells have been permitted to 4000' in this area with the Glorieta or SA as the objective. There is also some 500' shallow Yates production that is played out already.

#### The reason I found this:

I am looking at an SWD application from Mack Energy. They have drilled a new well and want to complete the Beech Federal #003 for SWD in the Abo at 5000'. The No Bluff 36 State Com #2 is in the Area of Review with cement top below the Abo.

Please let me know what action you will take on this - so I can determine how to proceed with Mack's application.

1

Regards,

Will Jones

State Lease - 6 co				State of New					5	For
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# **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 deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 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 FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	m New Mexico	Northwest	ern New Mexico
T. Anhy	T. Canyon 8350	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn8881	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 9464	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta3199	Т. МсКее	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T.Tubb4059	T. Delaware Sand	T.Todilto	- T -
T. Drinkard	T. Bone Springs	T. Entrada	- <u>T.</u>
T. Abo5018	Т	T. Wingate	- T. ·
T. Wolfcamp6740	Т	T. Chinle	Т.
T. Penn	Τ	T. Permian	T.
T. Cisco (Bough C)8242	Т	T. Penn "A"	Τ.
			OIL OR GAS

SANDS OR ZONES

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### IMPORTANT WATER SANDS

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

# No. 3, from.....feet.....

# LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Inickness In Feet	Lithology	From	То		Lithology
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Deviation surveys taken on Southwestern Energy Production Company's No Bluff "36" State Com #2 well in Eddy County, New Mexico:

Depth	Degree
190	1.00
302	.75
395	1.00
492	.75
765	.50
1042	.75
1319	
	.75
1645	.75
1845	.75
1950	1.00
2166	2.00
2256	
	1.50
2412	1.75
2597	1.75
2784	2.00
3084	2.00
3372	2.00
3591	2.00
3839	2.00
4119	2.00
4210	2.25
4303	2.75
4365	2.50
4521	3.00
4614	2.75
4707	2.50
4798 -	2.75
4891	3.00
4983	3.00
5133	2.75
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5414	3.00
5662	2.75
5822	3.00
6063	3.00
6249	3.00
6374	2.50
6469	2.75
6807	1.50
7240	2.00
7450	2.25
7741	2,25
7986	2.75
8140	
	2.00
8450	1.00
8849	1.50

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9098	1.00
9501	.50
9870	1.75

I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.

Patterson-UTI Drilling Co., LP, LLLP

Before me, the undersigned authority, on this day personally appeared John W. Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.

John W. Norton

SWORN AND SUBSCRIBED TO before me this 21st day of May 2001.



Notary Public in and IO

Lubbock County, Texas.

#### C104AReport

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Page 1 of 1

District.I 1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720 District II 1301 W. Grand Avo., 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 76583

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#### **Change of Operator**

Previous Operator Information		New Operator Information			
		Effective Date:	8/15/2008		
OGRID:	148111	OGRID:	255333		
Name:	SOUTHWESTERN ENERGY PRODUCTION COMPANY	Name:	LIME ROCK RESOURCES A, L.P.		
Address:	2350 N. SAM HOUSTON PKWY E	Address:	1111 BAGBY STREET		
Address:	SUITE 300	Address:	SUITE 4600		
City, State, Zip:	HOUSTON, TX 77032	City, State, Zip:	HOUSTON, TX 77062		

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.

Previou	s Operator	New Ope	erator
Signatu	e: 1/ Wohe	Signature	: <u>C. J. Mill-</u>
Printed Name:	Jim Dewbre	Printed Name:	C. Tim Million
Title:	VP.LAND.	Title:	Vice President - Opennhors
Date:	10/29 08 Phone: 281.618.4711	Date:	10/19/00 Phone: 713 292.9514

NMOCD Approval
Electronic Signature: Paul Kautz, District 1
Electronic Signature: Jane Prouty, District 2
Date: October 29, 2008

http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/C104A/C104AReport.aspx?... 10/29/2008 . . . . . . . . . .

# ChangeOp Comments

OGRID: [148111] SOUTHWESTERN ENERGY PRODUCTION COMPANY Permit Number: 76583 Permit Type: ChangeOp

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Created By	Comment	Comment Date
DPHILLIPS	I show a bond in your Financial Assurance report that requires bonding - 30-015-31552. I cannot approve the change of operator until bonding for this well is received. Questions? Call me 478-3481.	10/9/2008
DMULL	The form C-145 that is attached is the wrong one. The Permit number that is required to be signed and attached should be 78583, and not 80182. Please send the correct, signed permit number 78583 and then resubmit. If you have questions on this matter, please call Donna Muli (575) 393-8161 ext 115.	10/23/2008

Form C-145

August 1, 2011

Permit 140504

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

# **Change of Operator**

Previous Operator Information		New Operator Information			
		Effective Date:	Effective on the date of approval by the OCD		
OGRID:	255333	OGRID:	281994		
Name:	LIME ROCK RESOURCES A, L.P.	Name:	LRE OPERATING, LLC		
Address:	1111 Bagby Street	_Address:	1111 Bagby		
	Suite 4600	_	Suite 4600		
City, State, Zip:	Houston, TX 77002	_ City, State, Zip:	Houston, TX 77002		

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.

Additionally, by signing below, LRE OPERATING, LLC certifies that it has read and understands the following synopsis of applicable rules.

PREVIOUS OPERATOR certifies that all below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells being transferred are either (1) in compliance with 19.15.17 NMAC, (2) have been closed pursuant to 19.15.17.13 NMAC or (3) have been retrofitted to comply with Paragraphs 1 through 4 of 19.15.17.11(I) NMAC.

LRE OPERATING, LLC 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 closedloop system associated with the selected wells; and
- 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.

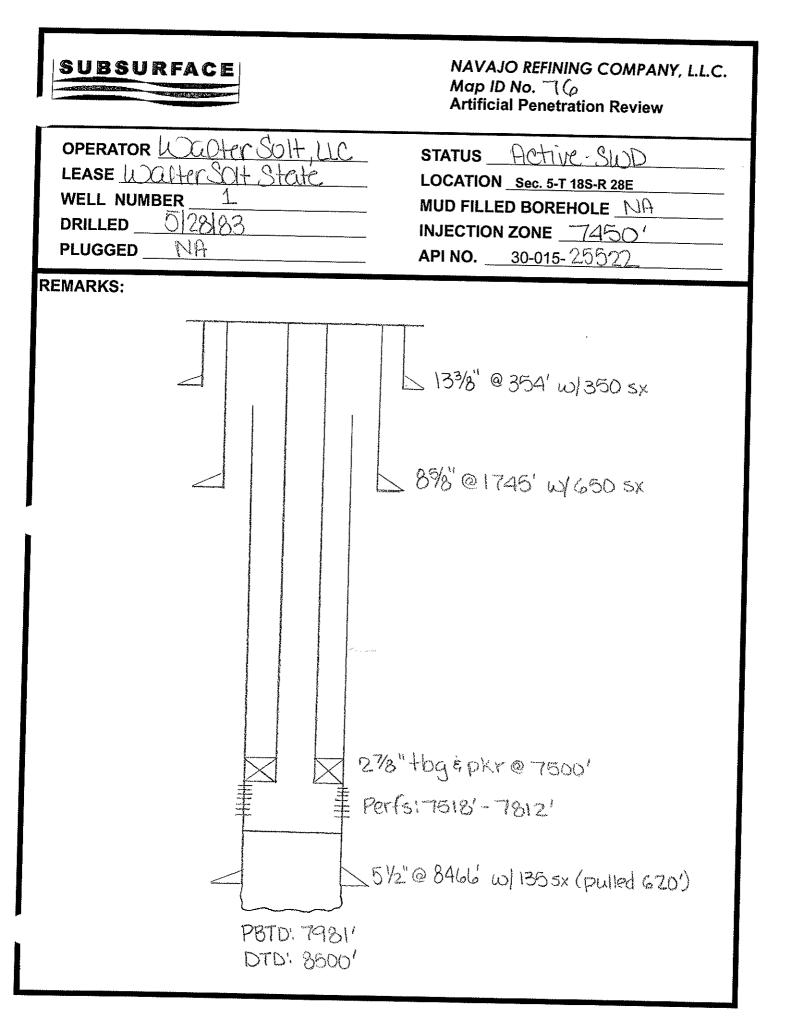
http://www.emnrd.state.nm.us/ocd/OCDPermitting/Report/C104A/C104AReport.aspx?Per... 12/1/2011

As the operator of record of wells in New Mexico, LRE OPERATING, LLC agrees to the following statements:

- 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.

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# State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

John H. Bemis Cabinet Secretary

Brett F. Woods, Ph.D. Deputy Cabinet Secretary Jami Bailey Division Director Oil Conservation Division



Administrative Order SWD-318-A March 28, 2012

# ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of 19.15.26.8B NMAC, Walter Solt, LLC seeks an administrative order to utilize its Walter Solt State Well No. 1 (API 30-015-25522) located 2240 feet from the South line and 400 feet from the West line, Unit letter L of Section 5, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico, for produced water disposal purposes.

# THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

# IT IS THEREFORE ORDERED THAT:

The applicant, Walter Solt, LLC, is hereby authorized to utilize its Walter Solt State Well No. 1 (API 30-015-25522) located 2240 feet from the South line and 400 feet from the West line, Unit letter L of Section 5, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico, for disposal of oil field produced water (UIC Class II only) into the Wolfcamp formation through perforations from 7518 to 7812 feet through lined tubing and a packer set less than 100 feet above the permitted disposal interval.

### IT IS FURTHER ORDERED THAT:

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

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

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC.

The wellhead injection pressure on the well shall be limited to **no more than 1504 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of disposal equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity, of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Administrative Order SWD-318-A Walter Solt, LLC March 28, 2012 Page 3 of 3

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 or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.

JAMPBAILEY Director

JB/wvjj

cc: Oil Conservation Division – Artesia State Land Office – Oil, Gas, and Minerals Division

Bill South First, Artesia, NM 88210 Bill South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505	te of New Mexico lerals and Natural Resourd RECEIVED onservation Division 40 South Pacheco 14 Fe, NM 87505 CCD-AFITE OLADistrict Office in accordance with Rule 116 on back side of form
3 15-25522- Release Notificatio	on and Corrective Action
<u>MLB0526429004</u> OP	ERATOR Initial Report Final Report
Name of Company I&W INC.	Contact Kevin W/1/SON
Address P. O. ROX 98 Lovo Hills N	Telephone No. M 88255) 505-677-2111
Facility Name Walter Solt States	Facility Type
Surface Owner Mineral Ow	TI SALT WATER DISPOSAL
State NM St	Ate B 3828
	N OF RELEASE
	th/South Line Feet from the East/West Line County
L 5 185 28E 400'	3 2240 E Eddy
NATURE	OF RELEASE
Type of Release PROduced Water	Volume of Release 10 66/3 Volume Recovered 10 66/5
Source of Release Tank Duap Cl	Date and Hour of Occurrence Date and Hour of Discovery
Was Immediate Notice Given?	If YES, To Whom? EARLY A.M. 9/1/05 7:00Am
By Whom?	
	Date and Hour
W Watercourse Reached?	If YES, Volume Impacting the Watercourse.
If a Watercourse was Impacted, Describe Fully.*	
Describe Cause of Problem and Remedial Action Taken.* TANK OVERFIQUE INStalling OVERFlow	tank with alarm callout + shut off
TANK OVERFLOW. INStalling OVERFLOW VALUES ON INCOMING lines with her	d switches,
Describe Area Affected and Cleanup Action Taken *	
Inside beens which are fully lived a	sith plastic. Remove contaminated
Describe Area Affected and Cleanup Action Taken.* INSIDE BERMS which ARE fully lined u MAYERIAL & Replace with NEW.	
I hereby certify that the information given above is true and complete to the and regulations all operators are required to report and/or file contained to the second sec	te best of my knowledge and understand that pursuant to NMOCD miles
	se notifications and perform corrective actions for releases which may port by the NMOCD marked as "Final Report" does not relieve the operator
water, human health or the environment. In addition, NMOCD acceptance compliance with any other federal, state, or local laws and/or regulations.	of a C-141 report does not relieve the operator of responsibility for
II. IA	OIL CONSERVATION DIVISION
Signature: Kennen Makson	TIM GUM
Printed Name: KEVIN WISON	Approved by District Supervisor: by MB Mile Brancisco
Tith OPERAtions MANAGER	Approval Date: 9/21/05 Expiration Date: N/4
Date: 9/16/05 Phone: 505-672-2111	Conditions of Approval: Attached
Attach Additional Sheets If Necessary	

		(			Meese 4 cm	
1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410	of New Mexico als and Natural Resources servation Division outh St. Francis Dr. Fe, NM 87505			ESIA Submit 2 C District (	Form C-141 ised October 10, 2003 opies to appropriate office in accordance th Rule 116 on back side of form	
Release No	tificatio	n and Co	orrective A	ction		
New Manager Transford	·····	OPERA	the second second second second second second second second second second second second second second second s		tial Report	Final Report
Name of Company TotW INC. Address P. O. BOX 98 LOCO HILLS NM			KEVIN WI	21110 frice /	575-743-2	DOWI Cell
Facility Name WALTER SOLT SWD		Facility Typ	ю <u>S</u> WD			
	ral Owner	I+W_		Lease	No. B 3	828
	CATIO	the second second second second second second second second second second second second second second second s	and the second second second second second second second second second second second second second second second			
Unit Letter Section Township Range Feet from t L 5 183 28E 400	0	South Line	Peet from the	East/West Line	Eddy	
		Juth	00110	EAST	Leavy	
Latitude		_ Longitud				
Type of Release PRODUCED WATER	ATURE	OF REL		R/S Volume	Recovered	O BRLS
Source of Release UNLOADING AREA Was Immediate Notice Given?		Date and H	our of Occurrence	e 🔪 Date and	Hour of Disco	
Vas Johnneamans Ivolice (nven?	or Required	If YES, To Whom? UNKNOWN				
By Whom?		Date and Hour				
Was a Watercourse Reached?		If YES, Vo	tume Impacting th	ie Watercourse.		
If a Watercourse was Impacted, Describe Fully."					······	
,						
Describe Cause of Problem and Remedial Action Taken.*	. 1				·····	
Numerous Trucks unloading on A	daily 1	Asis.				
Contacted companies that unload at.	facility	+ Asked	that they re	emind drive	es on bet	ter housekeep
Describe Area Affected and Classes Action Takes 8						
Unloading area approximately 25x52 24 yards + hauled to CRI. Sprayed	around	unload	ing values.	. Hicked up	Approx	imately
27 grilles Thrules to cret. Sprayes	micko	oiaze ou	er area +	replaced c	Aliche.	
I hereby certify that the information given above is true and con- negatives all operators are maximal as a second s	mplete to the	best of my k	nowledge and une	lerstand that purs	usint to NMOC	D rules and
public health or the environment. The acceptance of a C-141 m	n release not enort by the h	incations and JMC/CIX mar	perform correctiv	ve actions for rele	wes which ma	y endanger
should their operations have failed to adequately investigate and or the environment. In addition, NMOCD acceptance of a C-14 federal state or local time address in the state of the state	a remediate c	ninanination	that notes a thread	the encount museum	Same Barris Constants	
federal, state, or local laws and/or regulations.		5 100× 16406 76 1		,		any other
Signature: Kerrin Willion			OIL CONSI	RVATION	DIVISION	
Printed Name: Kevin Wilson Ap			strict Supervisor;	Toumby S	2	
Till: Operations MANAger	Ар	proval Date:	10-1-08	Expiration D	ate: N/p	
E-mail Address:	Cor	ditions of A	proval:		······································	
Date: Phone;		·	NIN		Attuched	AIA
A ALULA A PAST I A COMMENT						· • •

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\* Attach Additional Sheets If Necessary

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ItW INC., IN AN effort to better control and monitor our SWD, Will be installing A CEMENT lined UN loading AREA which will include sumps AND A 24 HOUR video surveillance system.

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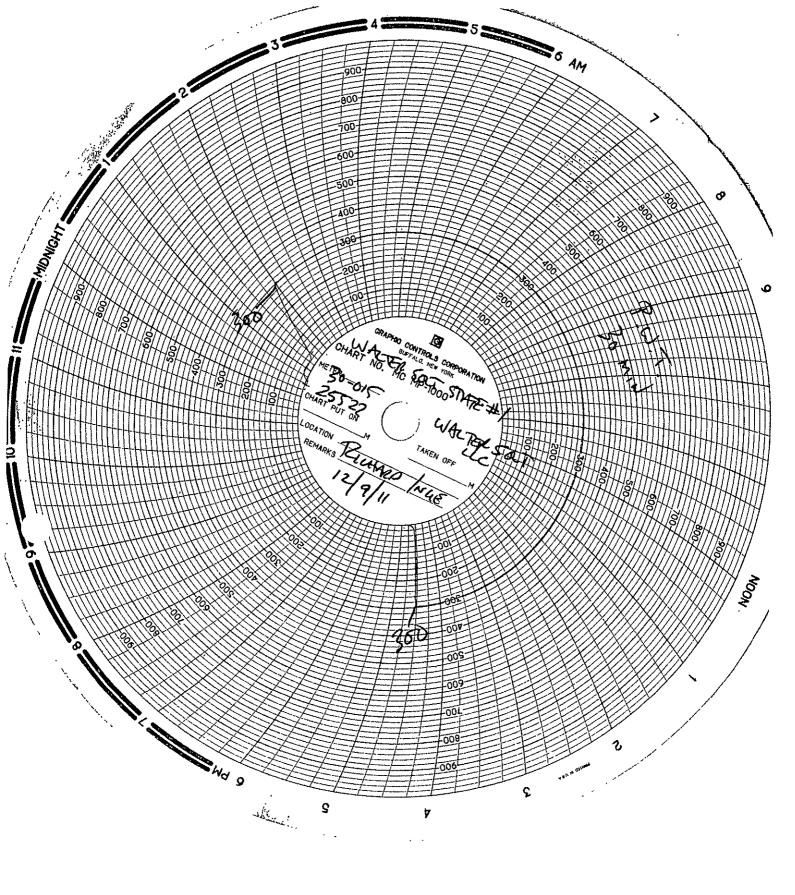
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Submit I Copy To Appropriate District Office	State of New Mexico		Form C-103
District 1 (575) 393-6161	Energy, Minerals and Natural Re		Revised August 1, 2011
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283		WELL A	
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVI	1.5 India	<u>30-0/5-2,5522</u> ate Type of Lease
<u>District III</u> (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis D	r. S	TATE 🔀 FEE 🗌
·i <u>ct IV</u> (505) 476-3460 S. St. Francis Dr., Santa Fe, NM	Santa Fe, NM 87505	6. State	Oil & Gas Lease No.
81305			
SUNDRY NOTIO	CES AND REPORTS ON WELLS ALS TO DRILL OR TO DEEPEN OR PLUG BAC	7. Lease	Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLIC.	ATION FOR PERMIT" (FORM C-101) FOR SUCI		res Salt State -
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well 🛛 Other SUD	8. Well	Number # 1
2. Name of Operator ,			ID Number
WALTER	Solf LLC * 1+W	<108 ale 79. OGR	283037
3. Address of Operator		10. Pool	name or Wildcat
<u>P. O. Box 7D LOC</u> 4. Well Location	D Hills NM 88255		
	2240 feet from the F.SL 1	100	
Section 5		ine and $400$	feet from the FINI line
Contraction of the second second second second second second second second second second second second second s	11. Elevation (Show whether DR, RKB,	$\frac{2S_E}{RT GR etc}$ NMPM	County Eddy
	3644.4 GR		
12. Check A <sub>I</sub>	opropriate Box to Indicate Nature of	of Notice, Report of	r Other Data
NOTICE OF INT		SUBSEQUE	NT REPORT OF:
TEMPORARILY ABANDON		MENCE DRILLING OPI	
	MULTIPLE COMPL	NG/CEMENT JOB	
DOWNHOLE COMMINGLE			
THER:		R:	П
i3. Describe proposed or complete	ted operations. (Clearly state all pertinent	t details, and give perti	nent dates, including estimated date
proposed completion or recon	:). SEE RULE 19.15.7.14 NMAC. For N	Aultiple Completions:	Attach wellbore diagram of
			-
ALL IN /ENTIDIUS	ARE TO GET THE WELL	BACK INTO PRI	DDUCTION. RIG UP
PULLING UNIT A	ND DRILL OUT CEMEN		
Supr Tr and	HILL OUT CEMEN	M, TEST CHE	SING AND MAKE
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WELL IN COMPLIA	NCE, AT THAT POINT	ا مردون استاده، س	
DANKED AND DO		WE WILL ,	RUN IN WITH
PACKER AND PRODU	ICTION STRINE. WE W	ILL CONTACT	or ) TO WITHER
PRESSURE TEST.			
			BECEIVED
Spud Date:	Big Bolance Dates	MUST	
	Rig Release Date:	Murri	SEP 20 2011
F DENIED. SW	D PEDENT HAS EXI	MED REAT	NMOCD ARTESIA
I hereby certify that the information abo	ove is true and complete to the best of my	knowledge and belief.	RE WOOD ATTECHT
		0	
	1.1 6		9/21/1
SIGNATURE Komin In	I Dan TITLE Dans	Ala	9/21/11
SIGNATURE Kennin ha	Ina TITLE Creem	ens Manager	9/21/11 2 DATE 9/20/2011
" or print name Kevin W	1.1	~	(515)
1/	1.1	~	9/21/11 2_DATE <u>9/20/2011</u> (575) 0.00 PHONE: <u>703-2041</u>
" or print name Kevin W	1.1	~	(515)

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	NEW MEXICO				-		3	0-015-2552
ENTHEY AND MIN	ERALS DEPARTME	VT )	IL CONSERV		ISI		Form C-101 Revised 10	
DISTAILU				OX 2088				
SANTA FE			SANTA FE, NE	W MEXICO 87	501		SA. Indicut BTATE	* Type of Lease
FILE	41							6 Gas Lease Nu.
`.S.G.S.								
I OPERA OR							TTTTT	3823
	PPLICATION FO	RPERMIT	TO DRILL, DEE	PEN OP PLUC	BACK			
le. Type of Werk			TO DRIEC, DEC.	EN, ON FLUG	DACK			empid tuente
	ET						n ont Age	ement facula
b. Type of Well	DRILL		DEEPEN		PLU	G ВАСК	8. Farm or L	ense Nume
WELL WY	GAS WELL	07HC8		BINGLE		NULTIPLE	Walter	Solt State
2. Come of Operator	ex Fipe & S	Supply.	/				9. Well No.	
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3, Address of Operat		1027 7	when the state				10, Field an	d Pool, or Wildcat
	L.C. DOX	1037 F	Artesia, N.M	1. 88210			WILDCA	.T '' /
4. Location of Well		<u>با</u>	LOCATED 400	PEET PROM THE	ŴE	ST LINE		MIMMULT
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23.			PROPOSED CASING	G AND CEMENT PRO	DGRAM	ten fillen an ten fillen en en ten fillen er en en ten fillen er en en ten fillen er en en ten fillen er en en		**************************************

 IZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13 3/8"	54.5#	350 •	250	circulated
 12 1/4"	8 5/8"	24#	2250'	500 sx.	
7 7/8*	5 1/2"	17# J-55 N-80	8500'	800	4500'
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APPROVAL VALID FOR 180 DAYS PERMIT EXERES 7-3-86 UNLESS DRILLING UNDERWAY

BOP Diagram attached

hereby certify that the i	information above is true and c	omplete to the best of	my knowledge and bel	lof.	
ened Martin	- B mung	Tule_Metex	Fipe & Supp	Dote Dote	12-23-85
(7 4.0 5)	pace for State Original Signed	! Bv	niya matanin dan karan dan paga Burtan dan Maria Saka	1	
	Les A. Ciemer	ts			DEO 01 1005
PPROVED BY	Supervisor Distri	TITLE		DATI	DEC 27 1985

# WELL LOCATION AND ACREAGE DEDICATION PLAT

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1	Perm	o-Penn	Wildcat	40-Acres	•

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- 2. If a reason one case is dedicated to the well outline each and identify the wherear pathole of both is to estimate each and identify the wherear pathole of both is to estimate
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Note water will be assigned to the well until all interests have been constituted, by common taxing a contract and take of quality or otherwise for until a non-standard unit, eliminating such interests, has been approved to be the constant of the constan

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	i	- Neterlay sector starting and an
		to ned have a straight service
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		Martin & Murry
♥ · ¤		- d/b/a Metex Pipe & Supply
		METEX PIPE & SUPPLY
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HONDO R16 #9 Hydril Blind Bons Pipe Rams To Rig Pamp Kill Line - 2-一行 > Relief Lines To Chicke Manifold 1 ٠ METEX PIPE SSUPPLY WALTER SOLT ST. #1

55-TI85-R28E

NO. 07 CONTROL         OIL CONSERVATION DIVISION           DISTRIBUTION         P. O. BOX 2088	Form C-103
SANTA FE, NEW MEXICO 87501	Revised 10-
	Sa. Indic no Pype of Lease State X Foo
OPERATOR	5. State Oll & Gas Leve + No. D-3823
SUNDRY NOTICES AND REPORTS ON WELLS 100 NOT USE THIS FORM FOR PROPOSALS TO UNLE 24 TO DEFENDE ON WELLS. USE "APPLICATION FOR PRANTE " PROMIN C-1011 FOR SUCH PROPOSALS.]	
	7. Unit Agreement Name WALTER SOLT STAT
2. Nome of Operator METEX PIPE AND SUPPLY	β. Form or Lease Name
POB 1037 ARTESIA, NAT 88210	9. Well No.
UNIT LETTER L . 400 FEET FROM THE WEST LINE AND 22.40 FEET FROM	10. Field and Pool, or Wildcat WILDCAT - PENN
THE SOUTH LINE, SECTION 5 TOWNSHIP 185 NANGE 28E NUPL	
15. E 'ovation (Show whether DF, RT, GR, etc.) 364-4 or ft 62	12. County EDDL
Check Appropriate Box To Indicate Nature of Notice, Report or O NOTICE OF INTENTION TO: SUBSEQUEN	ther Data
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DAILLING OPNS.	PLUG AND ABANDONMENT
OTHER	TION
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	e estimated date of starting any propa
12/30/85 BUILD LOCATION FOR HONDRO	R16#9
Г	RECEIVED BY
	DEC 3 0 1300
· ·	O. C. D. ARTESIA, OFFICE
by certify that the information above is true and complete to the best of me knowledge and belief.	
ENER MUNINES MUNICY TITLE AND MUTEX PIPE, SUPPLY	DATE 230 85
	DEN: 31 1985
** OVED BY Supervise District + FIFLE	OATE

DISTIN TOTON	CONSERVATION DIVISION P. O. BOX 2088 NTA FE, NEW MEXICO 87501	Form C-103 Revised 19-1-
		Sa. Indicate Type of Leans State XXX Fue [_] 5. State Oil 6 Cas Leans No. B-3823
SUNDRY NOTICES AND DO NOT UNE THIS FORM FOR PERFORMED TO POLLE OF THE THE MANADELICATION FOR PERMIT - " IF	REPORTS ON WELLS	7. Ur Agreement Name
OIL CAS WELL OTHER-		8. Farm or Lease Maine
Metex Pipe & Supply 🗸		Walter Solt State
Additional Operator P.O. Box 1037 Artesia, N.M. 88	3210	9. Well No. 1 10. Field and Pool, or Wildcat
L 400 rest mon	A THE WEST LINE AND 2240 FEET FR	11 Adapt - Da
SOUTH 5	28E RANGE 28E	://///////////////////////////////////
ALL Start St	tion (Show whether DF, RT, GR, etc.) 3644.4	12. County EDDY
Check Appropriate Box NOTICE OF INTENTION TO:	To Indicate Nature of Notice, Report or C SUBSEQUE	Other Data, NT REPORT OF:
MPGRARILY ASANDON	AND ABANCON AB	ALTERING CASING [ PLUG AND ABANDONMENT [
cun surface casing	отися	
Describe Proposed or Completed Operations (Clearly sta work) seg null 3:00 p/m, Jan. 9, 1986 v Ran 11 joints 13 3/8" 54 15. J-55 350 sacks class"C" cement with 2% 5:30 a/m on January 10, 1986. WOC for 12 hours, drilled out 2 ft pressure for 30 minutes. Presently	ith Hondo, Rig #9. casing and set at 354'. Halliburt GaCl. Circulated 45 sacks to pit. . past shoe and tested BOP to 500 P	ton cemented with Plug down at PSI and held
	RECEIVED BY JAN 16 1986 O. C. D.	
hereby certify that the information above is true and cor	•	
10 NS Mund	d/b/a Metex Pipe & Supply	<u>DATE</u> Jan. 10, 1936
Original Sign Les A. Cleme	•	JAN 23 1986
NOVED BY Supervisor Dist	trict 11	

STATE OF NEW MEXICO	
GIL CONSERVATION DIVISION DISTRUBUTION . P. O. DOX 2088 SANIA FU	Form C-103 Revised 10-1-7
	Sa. Indicate Type of Lease
UT N.C. OFFICE	State X
0 AT 0/	5. State Oll & Gas Luase No. B-3823
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FOR FOR PROPOSALS TO DAILE OF TO GERPEN OR PLUG AGE TO A DEFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR DUC, PROPOSALS.)	
OIL XXX GAS WILL OTHER.	7. Unit Agreement Name
and of Operator	8. Farm or Lease Name
Metex Pipe and Supply ddrems of Operator	Walter Solt State
P.O. Box 1037 Artesia, N.M. 88210	1
ocation of Well	10. Field and Pont, or Whideat
UNIT LETTER	WILDCAT Penn.
South 5 18S 28E NMPM.	
[[[[[]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]	12. County
3644.4 GL	Eddy
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO:	
SUBSEQUERT	REPORT OF:
ORM REMEDIAL WORK	ALTERING CASING
PORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
other run intermediate	casing X
THI	
reacribe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including over $3 \pm 2$ pt. 8 5/8", 24 lb., J-55 casing to 1745'. Cemented with 400 sa with $8\%$ salt and $2\%$ Flowseal and 250 sacks class"C" with 2% CaCl. Ci sacks to pit. Plug down at 4:00 p/m, Jan. 12, 1986.	cks Halco Lite rculated 100
WOC for $12^{\circ}$ hrs. drilled out 2' past shoe and tested BOP to 1000 psi a thirty minutes. Presently drilling 7 7/8" hole with full returns.	nd held for
·	
RECLIVED BY	
JAN 16 1986	•
O. C. D.	
ARTESIA, OSTICE	
ereby certify that the information above is true and complete to the best of my knowledge and belief.	***************************************
d/b/a Metex Pipe & Supply	1-13-86
Original Signed By	JAN 23 1986
ED BY Les A. Claments TIONS OF APPROVAL, IF ANY: Supervisor District IJ	DATE JAIL & J 1000

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ENERGY AND MINERALS DEPARTMENT		
OIL CONSERVATION DIVISION DISTRIBUTION BANTA PE FILE SANTA FE, NEW MEXICO 87501		Form C-103 Revised 10-1
NO OFFICE	5a. Indicate Typ	oo of Lease
OPERATOR CONTRACTOR	State XX	Foo
ARTESIA, OFFICE	5. State Off & G B-382	
SUNDRY NOTICES AND REPORTS ON WELLS USE THIS FORM FOR PROPOSALS TO BALL ON TO DEEPEN OR PLUE BACK TO A DIFFERENT RESERVOIR.		<u>annn Th</u>
OIL AR GAR DTHER-	7. Unit Agreemen	at Name
METEX PIPE & SUPPLY	8. Form or Lease	
i, Address of Operator	WALTER SO: 9. Well No.	LT STATE
POB 1037 Artesia, NM 88210	1	
L 400 West 22/0	10. Field and Po	
Couth	Wildcat	Tenn.
SOUTA 5 185 AANGE 28E HMPM.		
15. Elevation (Show whether DF, RT, GR, etc.)	12. County	
3644.4	Eddy	
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO: SUBSEQUENT		
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK COMMENCE DRILLING OPNS.		NG CASING
OTHER DST'S, Logs & TD		[
<ul> <li>7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including e work) see RULE 1103.</li> <li>DST #1 6678-6822!</li> <li>DST #1 7035-7090!</li> <li>Results to be submitted with completion report</li> <li><u>2-16-85</u>: Driller's TD=8500! Loggers TD=8484!</li> <li>Ran Open-Hole Logs: GR/CNLD &amp; DLL/MSFL</li> </ul>		
Ran 52" 17# LTC(N-80/J-K-55) Casing to 8466' KB with float sh float @ 8424'. Cemented with 135-Sxs Howco "H" + .7-1% Hala 4500#-Held-OK. Howco FULL-OPENING CEMENTER SET @ 1785'.	oe @ 8466' & d-9. Bumped	t Insert I Plug to
2-25-85: Cleaned Location & Set Dead-Men		
2-26-86: Ran Cement Bond Log and found good cement from PBTD 8398' to	79611	
Present operation is waiting on completion unit		
PBTD= 8398'KB		
	•	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.		
" <u>(ABMUMUX pur</u> <u>time</u> <u>d/b/a METEX PIPE &amp; SUPPLY</u>	DATE 2-28	-86
() Original Signed By Mike Williams	FEB	28 1986
DITIONS OF APPROVAL, IF ANY:	DATE	

)	)
EQUIPMENT & HOLE DATA FORMATION TESTED: WOLFCAMP	TICKET NUMBER: 22834600
NET PAY (ft): 22.0	DATE: 2-4-86 TEST NO: 1
GROSS TESTED FOOTAGE: 144.0	
ALL DEPTHS MEASURED FROM: 10' K.B.	TYPE DST:OPEN HOLE
CASING PERFS. (ft):	
HOLE OR CASING SIZE (in): 7.875	HALLIBURTON CAMP: ARTESIA
ELEVATION (ft): 3644.4 GRGUND LEVEL	
TOTAL DEPTH (ft) 5822.0	TESTER: R. PEPPERS
PACKER DEPTH(S) ): <u>6672, 6678</u>	
FINAL SURFACE CHOKE ((n):	· ·
BOTTOM HOLE CHOKE (Min): 0.750 MUD WEIGHT (16/gal): 8.80	WITNESS:MUNCY
MID VISCOSITY (coo).	
MUD VISCOSITY (sec): 22 ESTIMATED HOLE TEMP. (°F):	DRILLING CONTRACTOR:
ACTUAL HOLE TEMP. (°F): 110 @ 6818.0 ft	HONDO DRILLING COMPANY #9
FLUID PROPERTIES FOR RECOVERED MUD & WATER	SAMPLER DATA
SOURCE RESISTIVITY CHLORIDES	Pstg AT SURFACE: 35.0
EARIH PITS         Q.139         70 °F         33000 ppm	cu.ft. OF GAS: 0.295
<u>SAMPLER</u> 0.146 9 70 °F 31000 ppm	
	CC OF WATER: 550.0 SULPHUR
MICDLE RECOVERY 0.150 0 70 °F 30000 ppm	
<u>IOP_OF_IOOLS</u> <u>0.150</u> • <u>70</u> •F <u>30000</u> ppm	cc OF MUD:
••Fppm	TOTAL LIQUID cc: <u>550.0</u>
HYDROCARBON PROPERTIES	CUSHION DATA
OIL GRAVITY (°API):00F	TYPE AMOUNT WEIGHT
GAS/OIL RATIO (cu.ft. per bbl):	
GAS GRAVITY:	
RECOVERED:	ξω
497' OF GAS CUT FORMATION (SU	JLPHUR) WATER HERSTER AUTON LESIER AUTON
	STEL
	HER HER
DEMORYC	· · · · · · · · · · · · · · · · · · ·
REMARKS:	·
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TYPE & SI	T			· · · · · ·	
`E	CHOKE SIZE	SURFACE PRESSURE PSI	GAS Rate MCF	LIQUIO RATE BPD	REMARKS
2-3-86					
2245					ON LOCATION
2345					RIGGED UP TEST TOOLS
2-4-86					
0315		1			OPENED TOOL WITH A WEAK BLOW
0320	3/88H	1			1" BLOW IN BUCKET
0325					1 1/4" BLOW
0330		1			1 3/4" BLOW
0335			······································		2" BLOW
0340		+	, <u></u>	<b></b>	5. BFOM
0345	<b> </b>	++	······································		2" BLOW, CLOSED TOOL.
0515		<u>†</u>			OPENED TCOL WITH NO BLOW
0517		-			VEAK BLOW
0520		++	• • • • • • • • • • • • • • • • • • •		1/4" 8LOW
0525					1/2" BLOW
05-1		+			3/4" BLOW
 ار ا		1		<b></b>	BLOW STABILIZED AT 1" FOR RE-
		1			MAINDER OF THE PERIOD ON 3/8"
·····					BUBBLE HOSE.
0615			··		CLOSED TOOL WITH A 1" BLOW
0915				<u> </u>	OPENED BY-PASS AND PULLED LOOSE
1530					OUT OF HOLE WITH TOOLS
1330					JOB COMPLETED.
		· · · · · · · · · · · · · · · · · · ·			
			· · · ·		
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<u> </u>		<u> </u>			
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TYPE 4 S	· <u>} </u>				TIVE CHOKE	TICKET NO: 2280860
" ME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS Rate MCF	LIQUID RATE BPD	REM	ARKS
2-6-86						
0900	1	<u> </u>			ON LOCATION	
1115					PICKED UP TOOLS	······································
1145					STARTED TOOLS IN HOLE	
1400	ВН	0			OPENED TOOL WITH WEAH	
		1		<u> </u>	IN BUCKET	
405		1			INCREASE IN BLOW-4" 1	N BUCKET
410					6" IN BUCKET	
415	······································				8"	······································
420		1	·······		10"	
425					BOTTOM OF BUCKET BLOW	
430			•••		CLOSED TOOL - NO GAS	· · · · · · · · · · · · · · · · · · ·
530					OPENED TOOL WITH GOOD	BLOW
545		1			INCREASE TO BOTTOM OF	
					AND REMAINED STABLE F	
\					OF FLOW PERIOD	
					CLOSED TOOL	······
930					OPENED BYPASS AND PULL	EO LOOSE -
					STARTED OUT OF HOLE	
200				······	PULLED TO FLUID - TOOP	( SAMPLES
				1		
					······································	
					<u> </u>	
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EQUIPMENT & HOLE DATA	TICKET NUMBER: 22808600	
NET PAY (ft): <u>4.0</u>	DATE: <u>2-6-86</u> TEST NO:	2
GROSS TESTED FOOTAGE: <u>55.0</u> ALL DEPTHS MEASURED FROM: <u>KELLY BUSHING</u>	TYPE DST: OPEN HOLE	
CASING PERFS. (ft): HOLE OR CASING SIZE (tr): 7.875 ELEVATION (ft): 3644.4 GROUND LEVEL	HALLIBURTON CAMP: ARTESIA	
TOTAL DEPTH (ft): <u>7090.0</u> PACKER DEPTH(S) (ft): <u>7029.7035</u>	TESTER: SIAN MC KEE	
FINAL SURFACE CHOKE (in): BOTTOM HOLE CHOKE (in): 0.750 MUD WEIGHT (16/gal): 8.90	WITNESS:MUNCY	, , 
MUD VISCOSITY (sec): 31         ESTIMATED HOLE TEMP. (°F):	DRILLING CONTRACTOR: HGNDD DRILLING RIG #9	
FLUID PROPERTIES FOR RECOVERED MUD & WATER SOURCE         MUD PIT       0.096 @ 70 °F       53000 ppm         SAMPLER       0.280 @ 70 °F       16000 ppm         TOP RECOVERY       0.100 @ 70 °F       49000 ppm         MIDDLE RECOVERY       0.096 @ 70 °F       53000 ppm         MIDDLE RECOVERY       0.200 @ 70 °F       49000 ppm         BOTTOM RECOVERY       0.220 @ 70 °F       19000 ppm         ® OTTOM RECOVERY       0.220 @ 70 °F       19000 ppm	SAMPLER DATA Psig AT SURFACE: 230.0 cu.ft. OF GAS: 0.271 cc OF OIL: 50.0 cc OF WATER: 2300.0 cc OF MUD: TOTAL LIQUID cc: 2350.0	
HYDROCARBON PROPERTIES OIL GRAVITY (°API): ©°F GAS/OIL RATIO (cu.ft. per bbl): 860 GAS GRAVITY:	CUSHION DATA	GHT
RECOVERED: 90 FEET OF OIL CUT SULPHUR WA 919 FEET OF SULPHUR WATER	TER	MERSURED FROM TESTER VALVE
REMARKS: NO GAS TO SURFACE DURING TEST.		
CHARTS INDICATE THE POSSIBLE EXISTENCE OF MOR ONE ZONE WITHIN THE TESTED INTERVAL.	ETHAN	

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMI	ENT					
DISTRIBUTION			ATION DIVISIO 2088 MEXICO 87501			Form C-103 Revised 10
File U.S.O.S.				•	5a. Indicate Typ	po of Lease
LAND OFFICE		1900			State XX	Fee
OPERATOR	J <u> </u>	-			5. State Oil & C B-382	
SUNDR	Y NOTICES AND R		WELLS			, nnnn
(DO NOT USE THIS PORM FOR PAC USE **APPLICAT	POSALS TO DRILL OR TO OF	CEPEN ON PLUG	BACK TO A DIFFERENT RESCI CH PROPOSALS.)			
OIL CAS	0THER-				7. Unit Agreeme	
2. Name of Operator Metex Pipe	& Supply				8, Farm or Leas	
3, Address of Operator					Walter So] 9. Well No.	lt State
. PO Box 1037	Artesia,	NM 88210			1	
4. Location of Well T	100	18 4			10, Fleid and Po	ool, or Wildcat
UNIT LETTER	400 FEET FROM THE	West	LINE AND2240	FEET FROM	Wildcat F	ennerrer
South	»	18S	28E			
	15, Elevation	(Show whether	DF, RT, GR, etc.)		12. County	HHHH
	3644.4	GL	·····		Eddy	
16. Check A NOTICE OF IN		Indicate N	lature of Notice, Re		er Data REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND	ABANDON	REMEDIAL WORK		A175*	
TEMPORARELY ABANDON		[]	COMMENCE DRILLING OPHS	jament.	PLUG /	AND ABANDONMEN'
PULL OR ALTER CASING	CHANGE PI	LAN3 []	CASING TEST AND CEMCHT DTHEN	109		
YREA				<u>\</u>		
17. Describe Proposed or Completed Ope	rations (Clearly state ali	pertinent dete	ils, and give pertinent day	es) including e	stimuted date of	
WPRA SER NULE TIUS.				1		securing any proj
*Results of DST #1(6678-6				w th thi	.s report.	
*The Drilling Inclination						
*The 2-26-86, Schlumberger	· CNL-CET Logs a	re attaci	ned with this rep	oort.		
*The 3-22-86, Welex CBL is	attached with	this repo	ort.			
<u>3-13-86/3-17-86</u> : Perf Cis Treat wi approx.	.th 2000-Gal 20%	NeFe Aci	oles(8214,16,17,1 id, 1000 SCF N2/F slight show oil	BBL and ba	lls. Flow	ed and swa
Set CIBP	at 8200' with	351 "H" (	ement-Tested to	3000#-0K-	PBTD=81631	•
			. omt. sq. ret. a			
3-19-86: Squeeze with 11						
<u>3-22-86</u> : Ran Welex CBL(s		•		7842 Vit	h no cmt. 1	pehind 5날"
<u>4-15-86</u> : Plan to change PBTD=7842'	operator	NOTE	: New operator w	ill submi	t Open-Hole	> Logs
18. I hereby certify that the information ab	ove is true and complete	to the beat of	my knowledge and belief.			
. Alerten Munup	÷	+17LE d/1	o/s METEX PIPE &	SUPPLY	DATE	4-15-86
	Original Signed By					
	Les A. Clements	T175#			APR	23 1986
CONDITIONS OF APPROVAL, IF ANY	Supervisor District II				UNIC	<del></del>
<u> </u>						/

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STATE OF NEW MEXICO JY AND MINERALS DEPARTI OISTAIDUTION DANTA PE FILE U.S.M.A. LAND OFFICE TANSPONTEN DIL OPERATOR PRORATION OFFICE 1. Operator	•	0	SANTA REQ	1986 D. SERV P. O. I FE, NI	ATION BOX 2088 EW MEXI OR ALLOW	DIVISIC CO 87501 ABLE AND NATU		Form C-104 Revised 10-01-78 Format 08-01-83 Page 1
FROSTMAN OIL	CORPORA	FION	$\checkmark$					
P.O. DRAWER W	-	EA, N	₩ 88210					
Reason(s) for filing (Check proper ) New Well Recompletion Change in Ownership		011	Transporter shees Gas		Dry Gas Condensais	Other (Please CHANG	explain) E OF OPERATOR	
If change of swnership give narm and address of previous owner II. DESCRIPTION OF WELL A	necex		e & Supp	ly, P.	O. Box	1037, Ar	t <u>esia, NM 88210</u>	
Walter Solt State		I No. I	Pool Name, 1 Wildcat			4	Kind of Lease State, Federal or Fee St	ate B-3823
Unit Lottor L : 400 Line of Section 5 T III. DESIGNATION OF TRAN Name of Authorized Transporter of C	ownohip	<u>18</u> 5 OF OI	outh 1	lange 2	8 East	, Ммрм,	Fool From The Sou Eddy which approved copy of it	County Prest ID-3 Ais (orm is to be sone)
Name of Authorized Transporter of C	esinghead G	3+c.	of Dry Ga	• 🗔		ive address to	which approved copy of th	6-13-86 113 (orm 120 be 2011)
If well produces oil or liquids, give location of tenks. I this production is commingied a NOTE: Complete Parts IV and	ith that fro	n eny -	other lease	or pool,				
1. CERTIFICATE OF COMPLL	ANCE	il Consi	ervation Divis	ion have	APPRO		NSERVATION DIVIS	510N
ence Forister, Pre	PORATION Geciel Sident		complete to th	e best of	If th well, thi tests tak All	Les A Supervi form is to b is is a reque form must b on as the we sections of th	Clements Clements District [] e filed in compliance w at for allowable for a m e accompanied by a tat ii in accordance with p is form must be filled a mpleted wella.	ewly drilled or deepen- bulation of the deviati RULE 111.
June 9, 1986 (De	lej		in		Fill well nam	out only Sec e er number, a rate Forms (	nicone I, II, III, and VI v transporter, or other su >104 must be filed for	uch change of conditie

.

NS. 67 104913			Form C+103 Supersedex Old C+102 and C+103
ANTAFE		OIL CONSERVATION COMMISSION	Effective 1-1-65
H.C. .S.G.S.	RECEIVED B	Y	54. Indicute Type of Leave
At- FIC	JAN 21 198	7	Stata X Fee
PLICER	JAN 21 130	1	S, Stote Off & Gos Leane No. B-3823
			17/17/17/17/17/17/17/17/17/17/17/17/17/1
LO NCT	NOL THE FORMATION AND TO ARE SWIDDENC	ORTS ON WELLS CLUB CLACK TO A DIFFERENT RESERVOIR. TO FOR A TO A DIFFERENT RESERVOIR.	AMMANININI
	643		7. Unit Agreement florae
NELL ]	WILL OTHER-		6. Form or Leave Hame
	nan Oil Corporation $V$		Walter Tort Tt
At Jack Stress of Op			9, Well No.
P. O.	Drawer W, Artesia, NM 88210		1
Lecation of W	11		10, Field and Fool, or Wilded
UNIT LETTER	L 400 FERT FACH THE	West Line and 2240 FEET FROM	Wildcat Penn
Sol	th Line, section 5 townshi	P 18 S RANGE 28E HMPM	AHHHHHHHA
110			VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
<u> </u>	[[]] 15. Elevation (Sh	w whether DF, KT, GR, etc.)	12, County
MUIT			Eddy
•		ndicate Nature of Notice, Report or Oth	ier Data REPORT OF:
	NOTICE OF INTENTION TO:	3003200211	
AFLEM RENEDS	L WORK	ANDON REMEDIAL WORK	ALTERING CASING
MICRARILY ADA	исти	COMMENCE DRILLING OPHS.	PLUG AND ABANDONNERT
LL OF ALTER CA	SING CHANGE PLAN		· · · ·
		0THER	
¢)			
Describe Pro; work/ SEE Re	oried of Completed Operations (Clearly state all pe in it is too.	errinent details, and give pertinent dates, including	estimated date of starting any propo.
6/23/86:	Shot off casing at 7846' with	jet shot. Pulled casing out of	hole.
bottom	casing. Ran casing back to T.D ball, loaded casing, broke circ Pumped plug down. Pressured cas	noe on bottom & Lynes casing form ). Packer shoe at 7832, Lynes pac culation. Cemented with 100 Sxs sing to 3250'. Plug down 5:30 p.	ker at 7690. Dropped of Class H Cement. m. 6/25/86.
6/30/86:	Ran bond log top of cement at 7 with 1000 gals of 15% acid. Sw	7400'. Perforated 7778' - 7787' wabbing all water.	(10 holes) acidized
7/2/86 :	Perforated 7810'-7812' (1 shot	per foot). Swabbed with packer	at 7794' - all water.
7/3/86 :	Perforated 7742' - 7756' (15 ho acidized with 1000 gal. 15% aci	oles) Set bridge plug at 7768', p id. Swabbed - all water.	acker at 7685',
7/9/86 :	Perforated 7518' to 7534' (16 f acid. Swabbed - all water.	Et 17 holes). Acidized with l	000 gals. 15%
	Set bridge plug at 7490', pulle	ed tubing and shut`in well.	
	that the following has we as the true and provide to the	a the local of my knowledge and belief.	
STMAN	that the information move is true and complete to		
m (IL	rund Frink .	Mc Clarence Forister, President	DATE 1/20/87
1. 1. 2. 1.	Original Signed By		

JAN 2 7 1987

DATE .

 or.	APPHOVAL.	117	ANYE

LHOALS

Leslie A. Clements Supervisor District II

TITLE

· STATE OF NEW MEXICO					•
ERC' NO MINERALS DEPARTMEN	•		ATION DIVISI	RECEIVED	rm C-104 vised 10-01-78 rmat 06-01-83 ge 1
LE V V	SAN		W MEXICO 87501	AUG 24 '88	• •
IANSPORTER JAS		. A	R ALLOWABLE ND PORT OIL AND NATI	O. C. D. ARTESIA, OFFICE JRAL GAS	
erolof			**		
I. & W. Inc. L	/				
P. O. Box 98,	Loco Hills, Ne	w Mexico 8	8255		
New Well		antas ata	Other (Pleas	e explain)	
7 Becompletion	Change in Transp	<b>L</b> J	Y Gas		
Change in Ownership	Casinghead (		ondensate		
DESCRIPTION OF WELL ANI	Well No. Pool No		ormation	Kind of Lease	Leose No
Walter Solt State	1 Wo1	fcamp		State, Federal or Fee State	<u>swD-130</u>
Ui iter <u>"L''</u> : 2240	Feel From The	_	• and <u>400</u> •	Feet From The <u>FWL</u>	County
L. DESIGNATION OF TRANSP one of Authorized Transporter of Oli				to which approved copy of this f	orm is to be sent)
ame of Authorized Transporter of Casi		οτ <b>γ Gα</b> # 🛄	Address (Give address	to which approved copy of this f	Post TD-3
well produces all or liquids, ive location of lanks,	Unii Sec. Tv	vp, ¦Rge,	Is gas actually connect	ød? jWhen I	12-9-88 
this production is commingled with OTE: Complete Parts IV and V			give commingling orde	r number:	<i>91</i>
. CERTIFICATE OF COMPLIAN	ICE			ONSERVATION DIVISIO	N
ereby certify that the rules and regulation on complied with and that the information whowledge and belief.	is of the Oil Conservatio given is true and comple	n Division have re to the best of	APPROVED	DEC 6 1988	

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() san	L Rell
 Jeology	(Signature)

Office Manager
(Tule)
8-23-88
(Date)

D 1				
				· · · · · · · · · · · · · · · · · · ·
		AAIk	Weilams	•
		11010	4 - California Constantina - California - Ca	
TΓ	TLE	· · · · · · · · · · · · · · · · · · ·		

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

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

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

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

Soparate Forms C-104 must be filed for each pool in multi-completed wells.

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ENERGY AND MINERALS DEPARTMENT		
DISTRIBUTION P. O. BOX 20.3		Form C-103 ·
SANTA FE SANTA FE, NEW MEXI		Revised 10-1
FILE VV		Sa. Indicate Type of Lease
7.5.0.5.		سبيع المعادي
AND OFFICE	JUL 26 '88	State X Fee
OPERATOA	,	5. State Oil & Gas Lease No.
	<del></del>	SWD-130
SUNDRY NOTICES AND REPORTS ON WELLS	PITTE ARTESIA DEFICE	
1.		7, Unit Agreement Name
		Walter Solt State No.
2. Name of Operator		8. Farm or Lease Name
I. $\&$ W, Inc.		Solt #1
3. Address of Operator		9. Well No.
		1
P. O. Box 98 , Loco Hills, New Mexico 88255		10. Field and Pool, or Wildcat
	10	Wolfcamp
UNIT LETTER "L" 2240 FEET FROM FSL INC.	AND 40 PEET PROM	WOLLCamp
	20F	
THE FWL LINE, SECTION 5 TO HIP 18-5	ANGENMPM.	
THE State of the second s	CP ata l	12. County
<u>3644.4' ~r.</u>		Eddy ///////
16. Check Appropriate Box To Indicate Natu	of Notice, Report or Oth	er Data
NOTICE OF INTENTION TO:	SUBSEQUENT	REPORT OF:
PERFORM AEMEDIAL WORK REMEDI		ALTERING CASING
TEMPORABILY ABANDON	NCE DRILLING OPHS.	PLUG AND ABANDONMENT
CHANGE PLANS CASING	TEST AND CEMENT JOS	
	., run tubing, acidi	zing
	· · · · · · · · · · · · · · · · · · ·	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and work) SEE RULE 1703.	give pertinent dates, including a	estimated date of starting any propos
2-8-88 Run tbg. hit fill at 7468', circulate to 7830	0', pump packer flui	đ.
2 - 9 got nackor at 7457! number the treatment of 500 g	al $zeloline$ , 5000 G	al.15% NE Acid.

2-9-88 set packer at 7457', pump treatment of 500 gal. zeloline, 5000 Gal.15% NE Acid Test to 500# W/ state man on location , held for 30 min. Shut in waiting on battery to be build.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. BILLE Degry J. B. DATE 7-23-88 Original Signed By Mike Williams TITLE DEC 6 1988

•								
FIELD		C	OUNTY	dy, N	<u>M 0C</u>	C NUM	IBER	
OPERATOR	Metex Pipe & Supply	ADDRESS	P. O.	Box 1037, A	rtesia,	New	Mexico	88210
ASE	Walter Solt State				WELL	NO	1	<u></u>
SURVEY	NW/4, SW/4, Section 5, T	<u>-18-S, R-2</u>	8-E				<u>_ 1</u>	<b></b>
	RECOR	D OF INCLI	NATION					
	DEPTH (FEET)			ANGL INCLINATIO		EES)		
	6114 6207			4 1 4 3	14			
	6229 6274			43 43 43	/4			
	\6305 6367 6427			4 3 4 3 4 1	/4			
	6461 6524			414				
	6587 6648			31 31 3	•			
	6772 6936 7095			3 2 1 2	/2			
	7485 7975			1 1 1 1	.[4			
	8500			11	.74			

# Certification of personal knowledge inclination data:

.

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

.

HONDO DRILLING COMPANY	>
BY:	
Walter Frederickson	
Vice President	

Sworn and subscribed to before me the undersigned authority, on this the

19th	_day of_	February	, 1986.					
Margarety B. A	+ 13	Thile.	Notary	Public	in and	for Midland	_County,_	Texas
Margaret B. A	inderson	,						
V			Page 2 d					

FIELD		co	UNTY_	Edd	ly, NM		OCC NUI	BER	
OPERATOR	Metex Pipe & Supply	ADDRESS	P. O.	Box	1037,	Artesi	a, New	Mexico	88210
3E	Walter Solt State					WE	LL NO.	1	
· · · · · · · · · · · · · · · · · · ·									
SURVEY	NW/4, SW/4, Section 5, T-18	-S, R-28-E							
	RECORD	OF INCLIN	ATION						
<b>N</b>		······································			A 147	GLE OF			
\				TN		ION (DE	GREES)		
i N	DEPTH (FEET)			1111	JULIAL				
	354					3/4			
Ì	667					3/4			
, /	1001					3/4			
1	1406					3/4			
\ \	1685				_	3/4			
ý	2068					1/2			
ý	2690				]	L 1/4			
	2970					3/4			
	3610				1				
	3905					L 1/4			
	4155				1				
	4341				r	3/4			
	4478 4621				1				
	4021 4746					1/2			
	4965					3/4			
	5158					3/4			
	5246					3/4			
	5340					2			
	5434					2 1/4			
	5519					2 1/2			
	5623					2 3/4			
	5717					3 1/2			
	5780				4				
	5843					1/2			
	5897					1/2			
	5958					3/4			
	5977					1/2			
	5990					1/4			
	6052					3/4			
Certifica	6083 tion of personal knowledge inc	clination d	lata:		4	3/4			
	$\langle \rangle$								

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY	· · · · · · · · · · · · · · · · · · ·
BY:	
Walter Frederickson	
Vice President	

Sworn and subscribed to before me the undersigned authority, on this the

19th	day_of	February	, 1986.					-	
margan	it B.	Anilerson	_Notary	Public	in and	for Midland	_County,_	Texas	······••
Margaret B.	Anderson								
9			Paga 1						

							·
- STATE OF NEW MEXICO			•				
VERCY AND MINERALS DEPARTMENT						Farm C 104	
						Form C-104 Revised 10-01-76	
DISTRIBUTION	Ċ	DIL CONSERV	ATION	DIVISIO	2N	Format 06-01-83	
TILE V		P. O. B	OX 2088			Pege 1	
J.S.G.S.		SANTA FE, NE	W MEXI	CO 87501			
AND OFFICE		······································					
AANSPORTER OIL							
PENATON A		REQUEST FO		ABLE	•		
RONATION OFFICE	AUTHO				10 M CAC		
	AUTHO	RIZATION TO TRANS	PORT UI	L AND NATU	IKAL GAS		
)perfict							
I. & W, Inc.							
diess							
P. O. Box 98, Loco Hil	ls, New	Mexico 88255					
lasson(s) for filing (Check proper box)				Other (Pleas	e explain)		
New Well	Change I	in Tronsporter of:					
Recompletion	No 14	니미	λγ Gαs	.*			
Change in Ownership	Cost	Inchead Gae 🔄 C	londensate				
<u>DESCRIPTION OF WELL AND</u> was Name Walter Solt State		Pool Name, Including F WOLfcamp	otmailan	1	Kind of Lease State, Federal or Fee		-1.30
"ocation			·····			······································	
etter "L" : 2240 '	Feel Fro	om The South Li	n• and <u>4(</u>	<u></u>	Feet From The We	≥st	
Line of Section 5 Towns	hlp 18-9	3 Range 2	28-E	, NMPL	4. Eddy		Count
IL DESIGNATION OF TRANSPO	RTER OF		<u>l Gas</u>				
Name of Authorized Trainsporter of Oil	j or C	iondensate	¥201088	(Give address	to which approved copy	of this form is to be se	enej
Navajo Trucking					Artesia, New Me		
Name of Authorized Transporter of Casing	shead Gas (_	or Dry Cas	Address	(Cive oduress	to which approved copy	· · · ·	•
1						Port Il	
if well produces oil or liquide,	init Sec	• •	18 938 66	tually connect	when	12-9-	88
L.	L <u>;</u> 5	<u>t</u>				s	i w li
this production is commingled with	that from an	ny other lease or pool,	give com	ningling orde	r number:		
IOTE: Complete Parts IV and V of	n reverse s	ide if necessary.					
1. CERTIFICATE OF COMPLIANC	CE			oil c	ONSERVATION D	•	
hereby certify that the rules and regulations	of the Oil C	onservation Division have	APPR	0VED	<u>nen nam</u>	. 19	
een complied with and that the information (	given is true a	nd complete to the best of					
ay knowledge and belief.			BY		Original Sign		
•			11		Mika Wind	8105	

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Mik	e Bulls
	(Sienature)

[
Manager
(Tule) 10-27-88
(Date)

If this is a request for allowable for a newly drilled or deeps well, this form must be accompanied by a tabulation of the deviatests taken on the well in accordance with AULE 111.

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

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

Separate Forms C-104 must be filed for each peol in multicompleted wells.

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		~						•		m C-105 ised 10~1-78
STATE OF NEW										
ERGY AND MINERAL		ÓI	_ CONS	SERVA	TION DI	VISIO	DN -	50.		Type of Leuse
DISTRIBUTION				р. <mark>О</mark> . ПО					State 2	
JANTA FR		S	ANTA F	E, NEW	/ MEXICO	87501		5.	State Oil	6 Gas Lease No.
<b>F</b> 11 =	VV									SWD-130
	W	ELL COMPI	LETION C	DR RECO	OMPLETION	I REPO	KI AND		THTI.	HIIIIIIIII
UNU OFFICE								$\sim$	UUL.	
TYPE OF WELL	BAM							7.	Unit Agre	toment Name
Salt Water D	isposal on		a. []		67.4F.B	RECE	VED			
TYPE OF COMPLE	WLL	······································				1		1		Jease Name
WELL OVE				NIFF.	OTHER			1		Solt State #1
Name of Operator						AUG a	24 '88	. ક.	Well Ro.	
I. & W, I	nc. 🗸									
Address of Operator	······································						C. D.	10		nd Pool, or Wildcat
P. O. Box	: 98, LOCO H	Hills, New	Mexico	88255		ARTIES	A. CORRICE		.0W 	Lfcamp
Location of Well									illh.	
							•		illite	
17 LETTER L	LOCATED _4	<u> 20 </u>	т ғаом тне	West	1.1HC AND	2240	FEE	radia ()	County	11111111111111
						IIIV	IIIII.			
Couth LINE OF	<u>sec. 5 1</u>	wp. 18-5	NGE. 28-	E NMPN	. 17777777	17777	$\overline{D}$		idy	Elev. Cashinghead
, Date Spudded	16. Date T.D. R			leady to	rrod.J 18. L	levations 644.4'	Cr	, at , tury (		3654.4' KB
5-28-83		f +	-12-83		le Compl., Hov			, Rotary To		, Cable Touis
). Total Depth		g Back T.D.	22	Many	te Compr., nov	ł	puttien by	· • •		
8500		981'		<u> </u>		L		<u> </u>		25. Was Directional Surve
. Producing Interval(s	i), of this complet	110n 10p, 1301	tom, taque	•						Made
										No
	ut as t and Dun		·····						27. 1	les Well Cored
i. Type Electric and C										No
Micro-se	1smogram		ASING REG	-02D (Re	ort all strings	sot in w	11)			
B.			TH SET		LESIZE			IG RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT LB.		4		17-1/2"		35(	)Sacks		
13_3/8"	54.5#_				11"		650			
8 5/8"	<u>24#</u> 17# N-80	846			7 //8"		135			
<u>5 1/2"</u>			·							
. Plastic		INER RECORD	7500'	<u></u> ,		30.		TUB	ING REC	ORD
SIZE	тор	BOTTOM		CEMENT	SCREEN		SIZE	DEPT	HSET	PACKER SET
2-7/8" 0.	D.	7500				2	-7/8"	750	0"	7500!
1. Perforation Record ;	(Interval, size and	d number)			32.	ACID, SH	OT, FRAC	TURE, CL	MENT SQ	UCEZE, ETC.
Perfs 16 hol					DEPTH	INTERVA	<u>L</u>			NO MATERIAL USED
Perfs 10 hol	es 7632'-76	542' 2	cmt.					5000 Ga	llons	of Acid
Perfs 14 hold	es 7742'-77	756'					<u></u>			
Perfs 10 hold	es 7778'-77	787 <b>'</b>								
Perfs 3 hole	<u>s 7810'-781</u>	L2'	•					·····		
3.					DUCTION	J			Sell Stehr	is (Prod. or Shut-in)
ate First Production	Produ	iction Method (I	Conving, go:	s tift, puni	ping - Size an	գ քծիջ նա	ղել չ		Tom Dieta	
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low Tubing Press.	Casiný Presswi	e Calculated Hour Hote	1 24- OII	1301.	Gas - N					
4. Disposition of Gas (	Cold wood for the		>		L			Test Wi	imessed 1	liy
4. Disposition of Gos (	adia, usea joi fui	n, venteu, etC.	/							
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5. Attachments										
6. 1 hereby certify that	the information -	thatwa on back	ides of this	form is tr	ue and complet	e to the l	est of my	knowledge	and belie	<i>f</i> .
6. I hereby certify that					•			-		
Xear	, L.Bel	/			Office I	Manago	r	~	ATE	8-23-88
SIGNED Left	}		T	ITLE	ULLICE ]	Sanaye	kaar			an an an an an an an an an an an an an a
	·····									

Submit 3 Copies to Appropriate		Natural Resources Departme	Form C-103
District Office		tani in recounter is opin une.	Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240		Box 2088ECEIVED	WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New	Mexico 87504-2088	
RICT III		JUN 0 4 1991	5. Indicate Type of Lease STATE X FEE
O Rio Brazos Rd., Aztec, NM 8741	)	19. 2. 3.	6. State Oil & Gas Lease No.
( Do not use this form for f Different res (form	TICES AND REPORTS ROPOSALS TO DRILL OR TO ERVOIR. USE "APPLICATION C-101) FOR SUCH PROPOSA	DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Walter Solt State SWD
1. Type of Well: OIL OAS WELL WELL	OTHER	SWD	
2. Name of Operator		5₩D	8. Well No.
I & W, Inc. 3. Address of Operator			1
	- Will- NN( 00)		9. Pooi name or Wildcat
P.O. BOX 98 LOC 4. Well Location	O HILLS, NM 882	200	]
Unit Letter :	400 Feet From The We	Line and 224	0 Feet From The <u>South</u> L
Section 5	Township 18S	D	Tradiday
	10wnsnip 10.5	Range 28E w whether DF, RKB, RT, GR, etc.)	NMPM Eddy County
	///////	1.4 GR	
11. Check	Appropriate Box to In	dicate Nature of Notice, R	eport, or Other Data
NOTICE OF IN			SEQUENT REPORT OF:
	PLUG AND ABANDON		X ALTERING CASING
	CHANGE PLANS		
	Ň	CASING TEST AND CE	<b></b>
OTHER:			·
12. Describe Proposed or Completed Oper	ations (Clearly state all pertinent	details, and give pertinent dates, includ	ling estimated date of starting any proposed
work) SEE RULE 1103.			
Cement Squeeze:	5/3/91 to 5/9/9	1	
1 Found hole	in casing @ 739	0.1	
		plus w/2% CaCl <sub>2</sub>	0 14.8#/gal
and 250 sk	s. neat @ 14.8#	/gal.	
	top @ 6250' by		
		d squeeze to 400#	for
	pressure loss.	@ 7457'. Tested 1	archaida to
		e loss. Well put 1	
in operatio			
I hereby certify that the information above is true	and complete to the best of my know	ledge and belief.	
SIGNATURE	1. Duth	mmeGeneral Mar	nager 6/3/91
TYPE OR PRINT NAME Michael	R. Butts		TELEPHONE NO. 746-42
(++ILE space for State Use) ORIGINAL			
MIKE WILLI			<b>JUN</b> 5 1991
APPROVED BYSUPERVISU	R. DISTRICT I	TITLE	DATE

CONDITIONS OF APPROVAL IF ANY: 

PAGE : 1

DEPTH ft	dDEPTH ft	TEMP %F	dTENP *F	GRADIENT *F /ft
ang pangan ang ang ang ang ang ang ang ang an				Anna /
5000		84.6		
5100	100	85.6	. 9	. 009
5200	100	86.5	. 7	.009
5300	100	87.4	.9	<u>.</u> 009
5400	100	88.3	. 9	.009
5500	100	89.2	. 9	. 009
6000'	500	91.5	2.3	.005
6250	250	92.4	* 9	.003
6500	250	97.2	4.8	.019
7000	500	103.0	5.7	.011
7134	134	103.4	. 4	.03

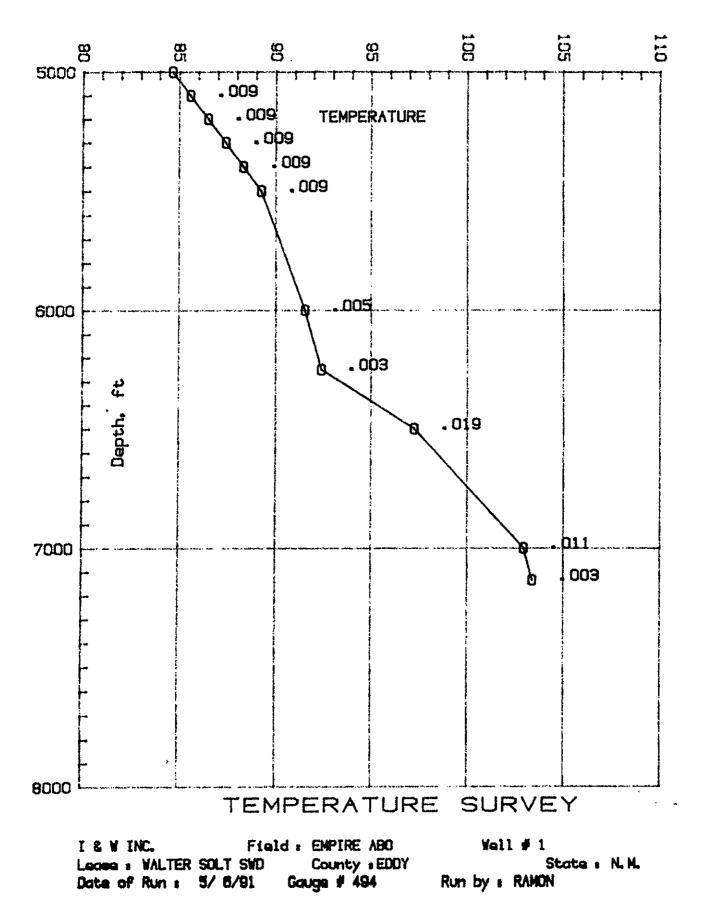
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CON VINELINE dog SEMETT-CATHEY P.O.BOX 787 ARTESTA, M 98210

RECEIVED - 1991 · ¦ , \*

.5-18.20

BENNETT-CATHEY

TEMPERATURE SURVEY REPORT

FOR: I & W INC. 5/ 6/91

WELL INFORMATION :

FIELD : EMPIRE ABO LEASE : WALTER SOLT SWD WELL # 1 FILE # IWWS1 LOCATION :N/A STATE :N.M. COUNTY : EDDY ZERO POINT :C.L. ELEVATION : 0.00 DEPTH : 0.0 TUBING SIZE :0 DEFTIL 0.0 CASING SIZE :0 @ 0.00 feet PACKER TYPE :0 TOTAL DEPTH : 7134.0 FERFORATED 0.0 to 0.0 feet

TEST INFORMATION :

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WELL CONDITION :SQUEEZE WELL TYPE :DISPOSAL SURFACE TUBING PRESSURE 0 psig by N/A SURFACE CASING PRESSURE 0 psig by N/A BOTTOM HOLE TEMPERATURE 0 deg. F. at 7134.0 feet BOTTOM HOLE PRESSURE 103.4 psig at 7134.0 feet INSTRUMENT TYPE : KELTNER NUMBER : 494 RUN BY : RAMON

C WIRELINE dba BENNETT-CATHEY, P.O. BOX 787 ARTESIA, NM 88210

#### IT IS THEREFORE ORDERED: SWD-318 5/24/87

That the applicant herein, I & W Inc. is hereby authorized to mplete its Walter Solt State Well No. 1, located in Unit L of ction 5, Township 18 South, Range 28 East, NMPM, Eddy County, w Mexico, in such a manner as to permit the injection of salt ter for disposal purposes into the Wolfcamp formation at proximately 7518 feet to approximately 7812 feet through 2 7/8 ch plastic lined tubing set in a packer located at approximately 00 feet.

1-21-87 "Accustic Cement Bond -6000 - 7816 Comp Neutron. - LD 5000 - 8483 UL-MSFL 0 - 8481 Electro magnetic prop. 5000 - 8456

1509 # Pol

4-21-86 Micro Seismogram 2013 Cased Nole 7300 - 7842 Cement Bond Log Variable Densi 7690 - 8393 Cement Evaluation Lor. 

# Allalige Al Abalarat

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Information	New Operator Information			
	Effective Date:	Effective on the date of a		
56	OGRID:	283037		
W INC	Name:	WALTER SOLT, LLC		
BOX 98	Address:	PO Box 70		

City, State, Zip: Loco Hills, NM 88255 City, State, Zip: Loco Hills, NM 88255

he rules of the Oil Conservation Division have been complied with a irm and the certified list of wells is true to the best of my knowledge

ng below, WALTER SOLT, LLC certifies that it has read and unders e rules.

TOR certifies that all below-grade tanks constructed and installed piselected wells being transferred are either (1) in compliance with 19 insuant to 19.15.17.13 NMAC or (3) have been retrofitted to comply 7.11(I) NMAC.

2 understands that the OCD's approval of this operator change:

proval of the transfer of the permit for any permitted pit, below-gradissociated with the selected wells; and proval of the transfer of any below-grade tanks constructed and instances.

As the operator of record of wells in New Mexico, WALTER SOLT, LLC agrees to the following statements:

- 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

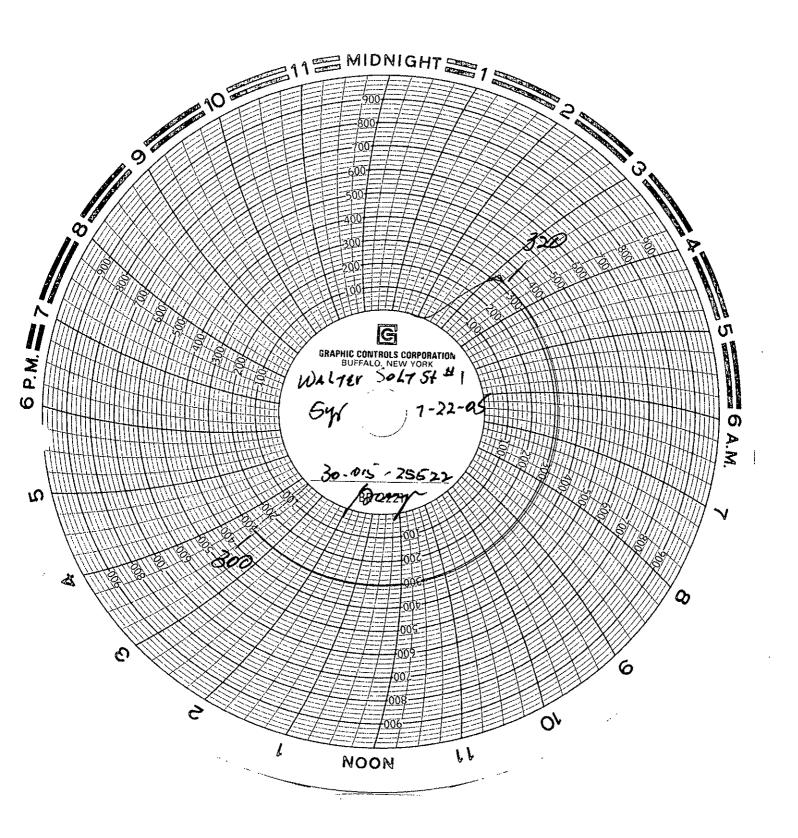
information, and I am responsible for updating that information when it changes. See 19.15.9.8.C NMAC. I understand that I can update that information on the OCD's website under "Electronic Permitting."

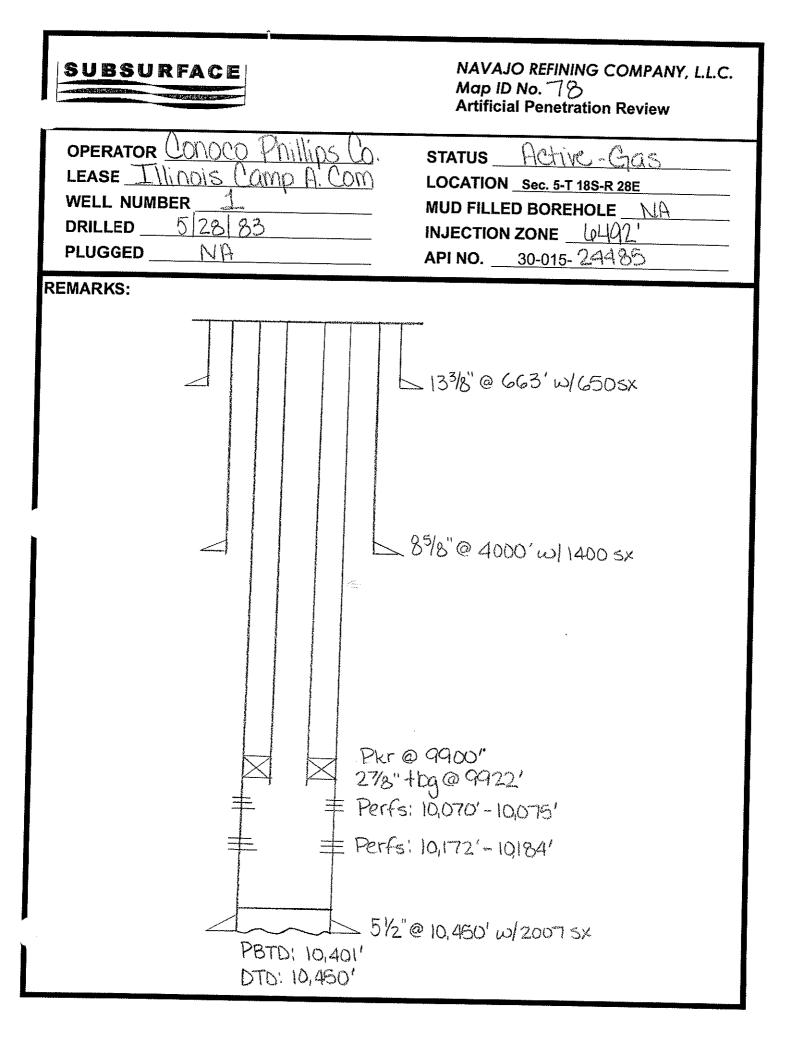
10. If I transfer well operations to another operator, the OCD must approve the change before the new operator can begin operations. See 19.15.9 9.8 NMAC. I remain responsible for the wells and related facilities and all related regulatory filings until the OCD approves the operator change. I understand 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.

Previous	Operator	New Operator	
Signature	Bafen Z Ig	Signature:	
Printed Name.	Bayless E Illy	Printed Name: <u>Daryl Sallage</u>	
Title:	Vice President	Title: <u>partner</u>	
Date:	10-b-11 Phone: 746-6915	Date: 19/12/11 Phone: 575-746-668,	/

### NMOCD Approval Electronic Signature: <u>Randy Dade, District 2</u> Date: October 12, 2011

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#### 1 Y MEXICO OIL CONSERVATION COMMIS IN WEL . LOCATION AND ACREAGE DEDICATION PLAT

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The second second second second second second second second second second second second second second second se			the outer boundaries of	LNB 30CLUM.	
}	lips Oil Comp	any		amp "A" Com.	Well No. 1
Unit Letter	Section 5	Township 18 South	Ronge 28 East	County Eddy	
Actual Footage Loc 1980		north line and	990	west	line
Ground Level Elev. advise later	Producing For Morrow	· · ·		and the second second second second second second second second second second second second second second second	Dedicated Acreage; 320.88
1. Outline th	e acreage dedica	ted to the subject well	by colored pencil of	r hachure marks on the	ACION
interest ar	d royalty). SEE	REVERSE SIDE			ereof (both as to working
3. If more the dated by c	n one lesse of d ommunitization, u	ifferent ownership is ded nitization, force-pooling.	icated to the well, etc?	have the interests of	all owners been consoli-
XX Yes	No If an	iswer is "yes," type of c	onsolidation <u>COMM</u>	JNITIZATION	
If answer i this form if	<pre>s "no;" list the (     necessary.)</pre>	owners and tract descript	tions which have ac	tually been consolidat	ted. (Use reverse side of
No allowab forced-pool sion.	le will be assigne ing, or otherwise)	d to the well until all int or until a non-standard un	terests have been o nit, eliminating suc	onsolidated (by comm h interests, has been a	unitization, unitization, approved by the Commis-
Lot 4	DI Lot 3	C Lot 2	B Lot 1	AL	CERTIFICATION
			1		rtify that the information con- In is true and complete to the
<u>Tr. 1</u>	$\frac{\text{Tr. 2}}{\text{CAS TS}}$		<u>Tr. 13</u>		knowledge and belief.
	E t	NOT DEDICATED	 	W. J. M	eller
<u>Tr. 4</u>	" <u>Tr. 5</u>		Tr. 6	Position Sr. Engin	neering Specialist
990'0	#1		J T	Company PHILLIPS Date	OIL COMPANY
			 	May 20.	1983
********	L  	K	J	I haraby c	ertify that the well location
	l 1		INEER &	shown on th	is plat was platted from field tual surveys mode by me or
		Si In	TATE OF THE	under my su	pervisien, and that the same correct to the best of my
	ו 		676	knowledge a	i i i i i i i i i i i i i i i i i i i
	1	N HE KR		P Date Surveyed	
	1 +	10m	W. WEST		fessional Engineer
				and/or Land St	mluliket
330 686 .80		2810 2840 2000	1100 1000 800	John W. We	est, NM L.S. No.676

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Tract 1 (Lot 4) - NW/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest 'wners: Holly Energy, Inc. 29.16667 % Read & Stevens, Inc. 4 16667 % Amoco Prod. Co. 20.00000 % American Petrofina Co. of Texas 11.11111 7 Rogers Aston, et al 22.22222 % Rogers Aston & The First Nation Bank in Dallas, Co-Trustees of the "C" Trusts U/W of Bert Aston, Dec'd. 11.11111 2 Rogers Aston 3.70370 % Charles Albert Aston 3.70370 % Lincoln Aston 3.70370 % Royalty Interest Owner: State of New Mexico, Lease No. B-11594 Tract 2 (Lot 3) - NE/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owners: Amoco Prod. Co. 50.00000 % Cities Service Co. 47.39584 % Tracy Clark 1.30208 % Robert E. Boling & Mary Z. Boling 1.30208 % Royalty Interest Owner: State of New Mexico, Lease No. 647 Tract 3 (Lots 1 and 2) - N/2 NE/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owner: Amoco Prod. Co. 100 % Royalty Interest Owner: State of New Mexico, Lease No. B-3823 Tract 4 - SW/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owner: Aminoil USA, Inc. 100 % Royalty Interest Owner: State of New Mexico, Lease No. E-7179 Tract 5 - SE/4 NW/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owner: Tenneco Oil Co. Royalty Interest Owner: State of New Mexico, Lease No. E-2715 100 % Tract 6 - S/2 NE/4 Section 5, T-18-S, R-28-E, Eddy County, New Mexico Working Interest Owners: Marathon Oil Co. 75 % Cities Service Co. Royalty Interest Owner: State of New Mexico, Lease No. 647 25 %

Phillips 0il Company ownership in the above leasehold will be earned through previously executed Farmout Agreements with Marathon 0il Company, Aminoil USA, Inc.

STATE OF NEW ME	()CO				TRANS		- 30-	010-24400
ENERGY AND MINERALS DEP		i L,	. CONSERVA р. о. вох	TION DIV	1515	1000	Form C-10	
			Р. О. ВОХ	(2088	MAT 23	1983	Revised 1	0-1-78
DISTRICUTION			ANTA FE, NEW		7501		SA. Indica	te Type of Lease
[					O. C.	D.	BTATE	
\$	<del>,</del>		API # 30-015	_ <i>•</i>	ARTESIA. (	OFFICE	.S. State Of	I & Cus Logas Nu.
U.S.G.S.	ight the second		WTT A 20-013				1	7179
OPERATOR						•	TITT	TTTTTTTTTTTTTTT
							111112	
	JN FOR PI	<u>ERMEL IC</u>	D DRILL, DEEPEI	N, UR PLUG	BACK		7/////	<u>1111111111111111111111111111111111111</u>
1. Type of Work						•	7. Unii Agi	eement Name
DRILL X	]		DEEPEN		PLUG	ВАСК		•
b. Type of Well							8, Farm or	Lease Name
WELL C SAN WELL T	.]	NCR		ZONC V	-441	ZONE	TITION	s Camp A COM
2. Name of Operator		· · · · · · · · · · · · · · · · · · ·		**************************************			9. Well No.	a vamp A vom
Phillips Oil Co	npany						ł	•
3. Address of Operator							10 Field o	nd Pool, op Wildcat
Room 401, 4001	Pephroak	Stroot	Odesen Torra	- 70769	.:			ated Horrow GAS
							Undesign	nated Morrow GAS
UNIT LETT	E#		CATED 1980	FRET FROM THE	north	LINE	MMM	//////////////////////////////////////
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AND 990 PEET P-DL	West	11	NE OF SEC. 5	18-S	ACE. 28-	-Е ммри	IIIIII	MIIIIIIIIII
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	1111111	111111	MMMMM	MMMM	MMM)	MMM	111111	//////////////////////////////////////
+++++++++++++++++++++++++++++++++++++++	<i>HHHH</i>	<i>44444</i>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 15. Froposed	777777	9A. Formation	711111	mmmm
	HHHH	HHHH.	///////////////////////////////////////	4 * *			•	20. Botury or C.T.
<u> </u>	ШШ	777777		10,500'		Morrow		Rotary
.i. Elevations (Show whether UP	, KI, etc.)		& Status Plug. Bond	21B. Drilling (	Contractor		22. Approv	. Date Work will start
advise later		blank	et	advise la	iter		upon ap	proval
23.								· · · · · · · · · · · · · · · · · · ·
		P	PROPOSED CASING A	ND CEMENT PR	OGRAM	•		
SIZE OF HOLE	SIZEOF	CASING	WEIGHT PER FOO	T	DEPTH	SACKS OF	CEMENIT	EST. TOP
' 17 1/4"	13 3/8"		54.5# K-55	650'		1		
11"	8 5/8"		32∉ K-55			800 sx C		Circ at surface.
7 7/8"	<u> </u>			3150'		8000 sx (		Circ at surface.
1 1/0	51-2		17#,20 <b>#</b> , N-80	10,500		2000 sx (		Sufficient to ti
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						•		casing string
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UNORTHODOX LOCATIO	N - Case	No. 787	16 JANE DAA	Adudi - SF	\$/24/6	73		
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Use mud additives	ag roguta	red for	control					1 same
ose mud addrerves	ve reduri	ed for	CONCLOT					$\sum_{i=1}^{n} M_{i}$
BOD Front . SOOOA	17D							Arta i
BOP Eqpt.: 5000#	wr, dout	ne gate	w/one annula:	r prevente	r		- 'U'	
		• •	· , ·	•				ີ່ຜູ້
			AFPROV	AL VALID 70:	7 180	DAYS	1 N 1	_ ).
CAC TO NOT DEDTCATE	m			F EM PLOS 🔏				
GAS IS NOT DEDICATE	.D.			SS DR.LLING	ET D	, 	÷.	•
		•	Once.		CINDERW	AY		
ABOVE SPACE DESCRIBE PAR	POSED PRO	GRAME IF P	ROPOSAL IS TO DEEPE	OH PLUG BACK, S	IVE DATA OF			
A TONE . CIAC BLOMONA PREVENTE	R PROGRAM, IP							
ereby certily first the information	above is true	and compl	ets is the best of my l	inpwiedge and b	elief.			*
I nu	AA	_						-
ined the fits			Tule Senior Eng	ineering A	Advisor	De	se 5-20-8	33
	<u>ulle</u>							
	Lefle	er.						
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PROVED BY		<b>et</b>	LASHS A	Clamans		D/	MAY	-3 2 1983-

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STATE OF NEW MEXICO .	V
ENERGY AND MINERALS DEPARTMENT	•
OIL CONSERVATION DIVISION	• • • • • •
DISTRIBUTION P. O. BOX 2088	Form C-103 - Revised 19-1-78
SANTA FE, NEW MEXIAO TO 811983	
U.S.O.S.	5a. Indicate Type of Leuse
LAND OFFICE O. C. D.	Staie X Fee
API No. 30-015- ARTESIA. OFFICE	5. State Oil & Gas Lease No.
	E-7179
SUNDRY NOTICES AND REPORTS ON WELLS (00 NOT USE THIS FORM FOR PROPOSALS TO FRILL ON TO DECECTION AF DUG BACK TO A DIFFERENT RESERVOID. USE TAPPLICATION FOR PERMIT	
USE "APPLICATION FOR FERMIT -" (FORM C+101) FOR SUCH PROPOSALS.}	7. Unit Agreement Name
Name of Operator	8. Farm of Lease Hame
Phillips Oil Company	7111
, Address of Operation	<u>Illinois Camp A COM</u> 9. Well No.
Room 401, 4001 Penbrook, Odessa, Texas 79762	
Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER E 1980 PEET FROM THE NOTTH LINE AND 990 PEET FROM	Empire Penn Morrow Gas
UNIT LETTER E 1900 PEET FROM THE LINE AND 990 PEET FROM	ammmittinittin
West LINE, SECTION 5 TOWNSHIP 18-S ASHEC 28-E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	Eddy
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	er Data
NOTICE OF INTENTION TO: SUBSEQUENT	
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	PLUS AND ABANDONMENT
AULL OR ALTER CABING	
OTHER TOTAL Depth	X
\$748 *	
2. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	situated date of starting any proposed
work) SIE RULE 1 103.	
5-30-83: MI & RU MGF drlg rig. Spudded 17-1/2" hole 5-28-83. Set 16	ite of 13-3/8"
54.5 K-55 Buttress csg @ 663'. Howco cmtd w/650 sx class "	C" w/2% CaCl +
1/4# Flocele/sx. Circd 169 sx to pit. Total WOC 18 hrs. Ts	td BOP to 600#
for 30 mins, OK.	
5-31 thru	
6-9-83: Drlg.	
6-10,11,12-83: Set 94 jts of 8-5/8", 32#, k-55. ST & C scg @ 4000'. H	owco cmtd w/1400
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele	followed by 200
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sy to surface Total WOC 18 brs	followed by 200
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.	followed by 200
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg.	followed by 200 Tstd BOP to 3000#
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.	followed by 200 Tstd BOP to 3000#
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, 0K. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf	followed by 200 Tstd BOP to 3000# ace.
<pre>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, 0K. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210',</pre>	followed by 200 Tstd BOP to 3000# ace.
sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, 0K. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf	followed by 200 Tstd BOP to 3000# ace.
<ul> <li>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.</li> <li>6-13,22-83: Drlg.</li> <li>6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf</li> <li>6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs.</li> </ul>	followed by 200 Tstd BOP to 3000# ace.
<ul> <li>sx Class C w/20% DD, 3#/sx Gilsonite &amp; 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs.</li> <li>6-13,22-83: Drlg.</li> <li>6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf</li> <li>6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs.</li> </ul>	followed by 200 Tstd BOP to 3000# ace.
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sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip 5000# WP, double gate w/one annular preventer.	followed by 200 Tstd BOP to 3000# ace.
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sx Class C w/20% DD, 3#/sx Gilsonite & 1/4#/sx Flocele sx Class C. Circd 300 sx to surface. Total WOC 18 hrs. for 30 mins, OK. 6-13,22-83: Drlg. 6-23-83: Ran Survey. 10' drlg break f/6840-50: Circd samples to surf 6-24,25,26-83: Drlg breaks: 6984-96', 7044-54', 7159-72', 7190-210', bit @ 7496'. Drld 725' in 51 hrs. BOP Equip: 5000# WP, double gate w/one annular preventer.	followed by 200 Tstd BOP to 3000# ace. 7494-7502'. Trip for new

- 6-27-83: Drlg. 58304 6-28-83: Drlg breaks: 819998229, no show, 8304-8315, no show; 8331-8348, no show. 30-40 unit 88 gackground gas. 391' in 10-3/4 hrs.
- 6-29 thru 7-7-83: Drlg. 7-8,9,10-83: Drlg. TD'd 797/8" hole @ 10,450. Circd 3 hrs & POOH. Rigged up Schlumberger & logging.
- 7-11-83: Schlumberger ran LDT/CNL/GR/ Cal, DLL/RXO/GR Cal, BHC Sonic.
- 7-12-83: Set 44 jts of 5-1/2" 20# N-80 LT&C Csg & 262 jts of N-80 LT & C csg & 3 jts of 20# N-80 LT & C csg @ 10,450'. Circd 1 hr. Howco cmtd w/1472 sx class "H" w/1/10% LWL. Circd 100 sx cmt on 1st stage. 2nd stage pmpd 235 sx class "H" w/20% DD & 1/4#/sx Flocele followed by 300 sx Class "H" neat. Set 5-1/2" slips & cut off & ND. Rel rig.
- 7-13-83: Ran temp survey. TOC @ 4040'. Prep to complete--WO completion unit.

#### STATE OF NEW MEXICO

## INCLINATION REPORT

#### ONE COPY MUST BE FILED WITH EACH COMPLETION REPORT

API# 30-015-24485

Field Name Empi	re Penn Gas	County Eddy	
		Room 4	D1.
Operator Phill	ine Oil Company	Address 4001 Pe	
operator <u>clines</u>	the out numbers		
Lease Name Illin	of a Come & COM	Well No. 1	79762
bease name	OIS Lamp A LOM		
Location Unit		From the Names	Line and 990 feet from
WCaciton onit	<u> </u>	L LLOW CHC_ NOTER	rine and 990 reet from
** .	line of Section	5 Township	<u>18-5</u> , Range 28-E
West		<u></u> , 104:05:12P	10-3, Kange_20-E
		INCLINATION	
	Angle of		Angle of
Depth (Feet)	Inclination (Degrees)	Depth (Feet)	Inclination (Degrees)
340	3.1/	3,553	1-1/4
<u>64</u> 0	2	3,705	1-1/2
745	2-3/4	3.753	1-1/4
775	2-1/2	3,861	1-1/2
830	2	4,000	1
891	2	4,085	1
1,179	1	4,239	1 -
1,273	1-1/4	4,382	1-1/2
1,335	<u> </u>	4,396	$\frac{1-1/2}{1-1/2}$
1,390	1-3/4	4,490	1-1/2
1,461	1-1/2	4,550	1-3/4
1,556	1-1/2	4,640	2
			<b>**</b>
1,675	1-1/4	4,750	2-1/4
1,836	1-1/4	4,800	1-3/4
1,931	1-1/4	4,925	2-1/4
2,050	1-3/4	4,956	2-1/4
2,140	1-1/2	5,021	2
2,265	1-1/2	5,084	2-3/4
2,365	2	5,145	2-3/4
2,425	2	5,210	2-3/4
2,490	1-1/4	-5,270	3-1/4
2,550	2	5,292	3-1/4
2,615	1-1/2	5,336	3-1/4
2,678	1-1/4	5,400	3-174
2,740	1	5,462	3-1/2
2,830	1-1/4	5,525	3-1/2
2,930	1-1/4	5,587	3-1/4
2,990	$\frac{1}{1-1/2}$	5,650	2-3/4
3,050	$\frac{1-1/2}{1-1/4}$	5,712	2-3/4
3,145	$\frac{1-1/4}{1-1/4}$	5,775	2-3/4
3,210	$\frac{1-1/2}{1-1/4}$	5,837	2-1/4
3,303	<u> </u>	5,900	$\frac{2-1/4}{1-3/4}$
3,395		5,962	2-1/4
しょうフリ	<b>▲</b>	~ 5 ~ ~ ~	~~×/ <del>~</del>

I hereby certify that I have personal knowledge of the data and facts placed on this form and that such information given above is true and complete.

#### WIINUED ON REVERSE SIDE

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r.	Engine	ering	5 Spec	ialist	

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W. J. Mueller

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Audrey J. Jacks Wary 7. Yacks Notary Public in and for Extor County, Texas

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My Commission Expires

November 30, 1984

6,001 6,120	1-3/4 3
6,183	3
6,245 6,350	2-3/4 2-3/4
6,432	2-3/4
6,535 6,571	1-1/2 1-1/2
6,780	1-1/2 1-3/4
6,900 7,040	2 1-1/4
7,436	1-1/4 1-3/4
7,830 8,185	3/4
8,620	1-1/4 1-1/4
9,000	1-1/4
9,500 10,450	3/4 1-3/4

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A CONTRACTOR OF A CONTRACTOR O

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Continued Inclination Report Page 2 Illinois Camp A Com Well No. 1

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STATE OF NE	W MEXICO										Form C-1 Revised	05 10-1-78
ENERGY AND MINERA	LS DEPART	MENT				TION						
			OIL.			TION D	1115	IUN .	ſ	-		of Lease
DISTRIBUTIO	N				P, O, BO					Slate	XX	Fee
SANTA FE			SA	NTA F	E, NEW	MEXICO	8750	01	ſ	5. State	Oil & Gu	s Leane No.
FILE	L.	1	API 30-	-015-2/	485			/		E-7	179	
U.S.G.S.	4	📖 WELI	L COMPLE	TION C	R RECC	MPLETIO	N REP	ORT AND	) LOG į	11111	TTT	mmm
LAND OFFICE						<b>MANNAL PROPERTY</b>	121131121	 XXXXXXXXXXXXXX		illli	1111	
OPERATOR					······································	.V		11.11		7. Unit A	7/7/7	
IC. TYPE OF WELL	BAM									7. 0111 7	iqi "emen	, itome
	5	412 WELL	GAS WELL	<b>xx</b>	0 N V	DTMCP.	<b>.</b>			·····		
5. TYPE OF COMPLE				_		AU	G16	1983		6. Farm	or Lease	Name
NEW TY NO		058 PEN	PLUG BACK		ESVN.	07468				Illind	ois Ca	mp A COM
Name of Operator						Č	. C. I	٦		9, Well N	ю.	
Philli	ips Oil -	Company					SIA OF				1	
Address of Operator				·······			SIA. OF	24 <b>CE</b>		10 Field	and Poo	ol, er Wildcat
		l Penbr	ook Stre	et. Od	lessa.	TX 79762			i	Em pin	e Pon	n CAS
							· · · · · ·			777777 777777	7777	
. Location of Well									ŀ	/////	/////	/////////
									L L	11111	11111.	MMMM
HIT LETTER	LOCATE	1980		-	north	LINE AND	99	0 ret	T FROM	11111	1111,	MMMM
····· ••••····						ann a	1111	anna	$\eta \eta \eta$	12, Coun	ty	THINK W
west Link or	5	~	18S	. 28E	ныры		1111	YIIII	IIII	Eddy		AIIIIII
5. Deve Spudded	16 Date "	T.D. Heach	ed 117. Date	Compl. //	leady to F	Prod./ 18.	<u>Cievatio</u>	ns IDF, RK	R. RT. GI	R. etc.)	9. Elev.	Coshinghead
5-28-83	7-10-		8-10			1		2654'				-
					11.54.107.01	and a second second second second second second second second second second second second second second second		2004		Tools		ble Tools
C. Total Depth		), Plug Bac	ж т. <b>D</b> .	22.	Many	ie Compl., Ho	<b>*</b>   23	Drilled By	* *		100	
10450		10401			n	10			0-1	0450'	<u> </u>	
4. Producing interval(											25. ¥a Ma	s Directional Surv
Morrow - top	10,005	; bott	om 10,40	1'							1	no
6. Type Electric and C	Ther Locs F	lun	,,,		······	w <b></b>				27	. Was We	ll Cored
DT, CNL/GR ca			O-GR. BH	C Soni	c						-	
							<u>.</u>			<u></u>	no	
: <b>H</b> .			CAS	ING REC	ORD (Rep	ort all string	s set in					
CASING SIZE	WEIGHT	T L 9./FT.	DEPTH	SET	ног	.E SIZE		CEMENTI				AMOUNT PULLED
13 3/8"	54.5#		663'		17.1	/2"	<u>650sx</u>	<u>Class C</u>	w/2%	CaC1&1	/4#F1	ocele/sx.19
8 5/8"	32#		4000'		111"	1	400 sx	Class	C w/20	%DD	dir	c 300sx.
&5#G	ilsonite	a &1/4#	Flocele	/sx &	20 sxC							
5 172"	20#		10450				see	reverse	side		Te	mpTOC4040'
		LINED	RECORD		1		30			BING RI		<u> </u>
1.				r					,	TH SET		
SIZE	TOP	Ŧ	MOTTOR	SACKS	EMENT	SCREEN		SIZE	{ D£+			PACKER SET
											····	
							2	7/8"	9922		- 9	900
							2	7/8"	9922		- 9	900
		te and numi	berj			32.	<u> </u>	7/8"				
		te and numi	berj				ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	
), Perforation Aattord	(Interval, siz						<u> </u>	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
Perforation Rattord	(Interval, siz			oles			ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
Perforation Rattord	(Interval, siz			bles			ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
), Perforation Aattord	(Interval, siz			oles			ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
Perforation Rattord	(Interval, siz			oles		DEPTH	ACID, S	HOT, FRA	CTURE, C	EMENT	SQUEEZ	E, ETC.
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 Perforation Reford 10172-84' & 10 See Form C-12 Cte Firel Production	(Interval, sit 20070-75* 22 attac	, 4 JSI <u>ched</u> Production	PF, 68 h				ACID, S	HOT, FRAG	CTURE, C	EMENT NT AND	SQUEEZ KIND MA	E, ETC. TERIAL USED d. or Shui-inj
. Perforation Forcord 10172-84' & 10 See Form C-12 Ste First Production 3-10-83	(Interval, sit 20070-75* 22 attac	, 4 JSI	PF, 68 h	ving, gas Prod'n.	lift, pump		ACID, S INTER d type p	HOT, FRAG	AMOU	EMENT NT AND	SQUEEZ KIND MA	E, ETC. TERIAL USED d. or Shut-inj nding_conne
 Perforation former 10172-84' & 10 See Form C-12 Cle First Production 8-10-83 The of Test	{ n:erval, six 0070-75* 22 attac	, 4 JSI	PF, 68 h	ving, gas	lift, pump	UCTION ing - Size an	ACID, S INTER d type p	ump)	AMOU	EMENT NT AND	SQUEEZ KIND MA Itus (Pro in per Cus	E, ETC. TERIAL USED d. or Shut-inj nding_conne
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 Perforation Astronom 10172-84' & 10 See Form C-12 Cto First Production 8-10-83 Uto of Test 3-10-83 Low Tubing Press.	(Interval, six 0070-75* 22 attac hows Test Casing Pre	ched Production Flwg red C	PF, 68 h	Prod'n. Test P	For eriod	UCTION Gas - N	ACID, S INTER d type p Ga (CF	ump)	AMOU	EMENT NT AND Well Sic shut - Bbi.	SQUEEZ KIND MA Inus (Pro Gua 21. ( 21. (	E, ETC. TERIAL USED d. or Shut-inj nding_conne- XXXXXX011qu:
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#### INSTRUCTIONS

This form is to be filed with the oppopulate Divider Office of the Division not later than 20 days after the completion of any newly-diffed or despend well. It shall be accompanied by one copy of all electrical and indiventivity logs run on the well and a summary of all special tests conducted, lactuding difficient tests. All diplics experted shall be measured depths. In the case of directionally diffed wells, two vortical depths shall olso be reported. For multiple considerious, items 30 through 34 shall be reported for each zone. The form is to be filed in granuplicate except on state tend, where six copies are required. See lister 1105.

# INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southea	stern New Mexico	Northwestern New Merico
Т.	Anhy	T. Canyon8630	Т. Ојо АlanoТ. Репг. "В"
1.	Shit	T. Strawn 9199	T. Kirtland-Fruitland T. Punc #CH
В.	Sn11	T. Aloka 9656	T Pictured Cliffs T Dens (101)
т.	Ystes		T. Cliff House T. I adduille
т.	7 Rivers	T XXXXXXXX	T. Cliff House T. Leadville 5. T. Menefee T. Medison
Τ.	Queen	_ T. Chester Shale 1024	Z. T. Point Loskout
Υ.	Grayburg	_ T. MissoysLime1039	L3_ T. Mancos T. McCracken
т.	San Andres	- T. Simpson	T. Gallup T. Ignacio Qczte
т.	Glorieta	_ T. McKee	Base Greenhorn T. Granite
т.	Paddock	- T. Elicoburger	T. Dakota T T.
т.	Blinebry	- T. Gr. Wash	
τ.	Торь	- T. Gradule	T. Todito T
т.	Drinkard	- T. Delaware Sand	T. Entrada T
т.	Abo <u>5700</u>	T. Bene Soones	T. Wingste T
т.	Wolfcamp 6877	т	T. ChinleTT.
т.	Penn.	- T	T. PermianT.
T (	Cisco (Bough C) 8152	- T	T. Penn "A"T.
No	l irom		AS SANDS OR ZONES
****			No. 4, from
No. 2	, from		
No. 3	, from	to	No. 6, from

#### IMPORTANT WATER SANDS

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

3

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No. 1, from	
No. 2. from	
No. 3, frem	
No. 4, from	

# FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Tinckness in Feet	Formotion
0	715	715	Surface rock		······		· · · · · · · · · · · · · · · · · · ·
715	2080	1365	Anhydrite	1			
2080	2905	825	Anhydrite, lime				
2905	5708	2803	Lime				
5708	6928	1220	Lime, shale				
6928	7758	830	Lime, dolomite	Item 28	: Cmtd	51/2	' csg w/1472 sx Class C
7758	9570	1812	Lime, shale	w/10%Lu	L:oper	ed DV	6500, circ 100sx. Cmtd w/
9570	9716	146	Lime, chert	235 sx	w/20%1	D & 1/2	#Flocele/sx & 300sxClass H
9716	9989	273	Lime, shale	WOC, ra	n tem	surve	, TOC 4040'
9989	10190	201	Lime, shale, sand		1		1 400 4040
10190	10260	70	Lime			ſ	
10260	10329	69	Lime, shale		[		
10329	10450	121	Shale				
						1	
l			•				
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# **BENNETT - CATHEY** (505) 746-3354 / Artesia, New Mexico 8c., 10

SUBSURFACE PRESSURE MEASUREMENTS

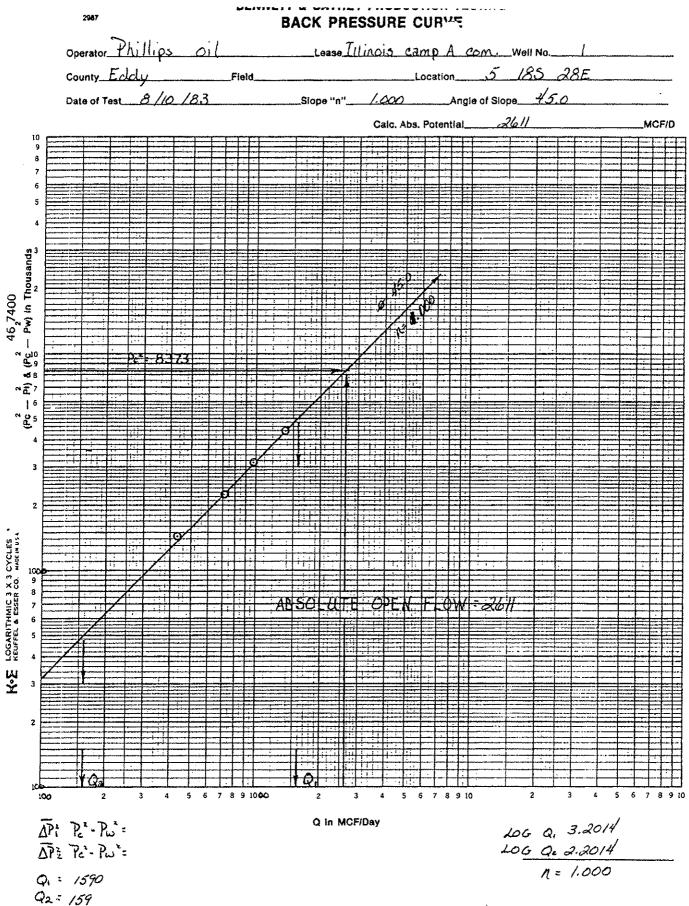
							<b>.</b>
COMPANY	<u>PHILLIPS</u> 8-10-93	014	WE	ELL NAME	LINOIS CA	AMP "A"	
Date of Test Company Man		HAWKINS	_FORMATION		· · · · · · · · · · · · · · · · · · ·		PAGE_1_OF_1
		DINGS AND CALC					
ELEME	NT NUMBER	RPG3#46950		RANGE		•	<u> </u>
CLOCK	NUMBER	1935		RANGE	12 HOUR		<u>~</u>
		RPG3#46951		RANGE	7000 LBS.		
	NUMBER			RANGE	12 HOUR		
TIME W	ELL SHUT IN.	<u>N/A</u>					
		D 0743 HOUR	8-10-83				
		IENT ON SURFACE		2 PSIA S			_LBS.
TIME EL	_EMENT REAC	CHED BOTTOM	1017 1	<u> 40UR 8-1</u>	0-83		
DEAD W	VEIGHT ELEM	ENT ON BOTTOM	2892.3	<u>2 PSIA SH</u>	UT IN		LBS.
		10,250					FEET
		10,250		FT	162		°F.
2006	PSIA	DEAD WEIGH	TAT THE EN	D OF4	HOURS	0MIN	NUTES
		4 POINT BAC	K PRESSU	RE TEST			
DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
8-10-83	SIP		1	4014		4027	
	T			1		1	
START TEST	0	1100		3971	13.2	3984.2	
	1/4	1115		3748	13.2	3761.2	
	1/2	1130		3724	13.2	3737.2	1
······································	3/4	1145		3712	13.2	3725.2	
END RATE 1	1	1200		3709	13.2	3722.2	
	<u>†</u>	1200		1,20,9			
	1 1/4	1215		3611	13.2	3624.2	
	1 1/2	1230		3557	13.2	3570.2	
	1 3/4	1245		3526	13.2	3539.2	
END RATE 2	2	1300		3510	13.2	3523.2	
IND KATE 2	<del>-</del>	1200		<u></u>	1).2	- 5525.2	
····	2 1/4	1315		3377	13.2	3390.2	
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ND RATE 3	3	1400	, <u></u>		13.2	3294.2	
IND KATE 3		1400		3265	13.2	3278.2	
	7 1/4	1/115		7101	17 0	7114 0	
	3 1/4 3 1/2	1415 1430		3101	13.2	3114.2	
			······	3002	13.2	3015.2	<u> </u>
	3 3/4	1445		2921	13.2	2934.2	
ND RATE 4	44	1500		2869	13.2	2882.2	
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NEW MEXICO OIL CONSERVATION : MASSION C/SF Form C-122 MULTIPO : AND ONE POINT BACK PRESSURL EST FOR GAS WELL Fle Reviewd 9-1-55

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Type Teal									Test Date		T	· · · ·	
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	<u>~ + -</u>		412		<u>u</u>	_74	199	5	76	286	9 +	11/64	1.0
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Coeffi							v Temp.		Gravity				
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اند. محمد مردو جود به الاین انداز این اس این می بود. 			
ATATE OF NEW MEXICO AY AND MILITHALS DEPARTN	AENT		Form C-104 Revised 10-1-7
		VATION DIVISION	
DISTRIBUTION		BOX 2085	
F 11.8	SANTA PE, N	IEW MEXICO 87.501 AUG 1 (	1983
U.1.0.1.		· · · · · · · · · · · · · · · · · · ·	1303
LAND DITIL	REQUEST	FOR ALLOWABLE O. C.	<b>D</b>
TRANSPUNTER OAS	AUTHORIZATION TO TRA	AND	
CPERATOR .	AUTHORIZATION TO TRA	NSPORT OIL AND NATUR	API #30-015-24485
Operator		· · · · · · · · · · · · · · · · · · ·	
Phillips Oil Comp	any		
Address			
	nbrook Street, Odessa, Texas	s 79762	
Reason(s) for filing (Check pro		Qiher [Pirase e	iplainj
N+ W+II XXXX	Change in Transporter of:		· -
Recompletion		· Co• []	
Change in Ownership	Cosinghead Cas Con	ndenadia 🛄	*
If change of ownership give r and address of previous owne		•	•
U. DESCRIPTION OF WELL			•
Leose Name	well No. Pool Name, Including	· .	ind of Lease Le
Illinois Camp A Co	OM 1 Empire Penn	Si	erer Kasarakan E717
Location	1000		•
Unit Letter E ;i	1980 Feet From The north	Line and <u>990</u>	Feel From Therest
Line of Section 5	Township 18-S Range 2	8-е . Мири,	Eddy
	BARTER OF ALL IND NUTIDAL	<b></b>	
II. DESIGNATION OF TRANS	U CH OF CONCERNENCE	LAGATESS (Give address to v	which approved copy of this form is to be se
0111. 2.	T T	Aster Carton	
None of Autogrand Transporter	of Casinghead Gas or Dry Gas [2]		which opproved copy of this form is to be set
RI. H. R.I	, where it is a second s	JAN Luck	al Calor To a
If well produces oil or liquida,	Unit Sec. Twp. Rge.	Is gas actually connected?	When /
give location of tanks.	E 1 5 1 78 138	1.east	1-26-24
If this production is comming!	ed with that from any other lease or poo	/	mber:
V. COMPLETION DATA	Oll Well Gas Well		
Designate Type of Com	nletion = (X)		Deepen Plug Back Same Resty, Diff
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
5-28-83	8-10-83	10450	-
Elevations (DF, RKB, RT, GR, e		Top Oll/Gas Pay	10401 Tubing Depth
2667'DF, 2654'Gr	Morrow	10005- 10, 170	9922
Perforations		120000 10,000	Depth Cosing Shoe
10070-75', 10172-84	Ť		10450
	TUBING, CASING, AN	ND CEMENTING RECORD	· · · · · · · · · · · · · · · · · · ·
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17 1/2"	13 3/8"	663'	506xC lacsC.Circl95
11"	8 5/8"	4000'	<u> 1600sxClassC. Circ300</u>
7 778"	5 1/2"	10450"	2007stClHw/add.TempT06404
	27/8	9922	
Y. TEST DATA AND REQUES	T FOR ALLOWABLE (Test must be	after recovery of total volume ( depth or be for full 24 hours)	of load oil and must be equal to ar exceed to
OIL WELL Date First New Oll Run To Tanki		Producing Mathod (Flow, pu	mp, gas lift, etc.)
Date First New Cir Hun To Tone			×10.2
Length of Test	Tubing Presewe	Casing Pressure	Chose Size Post 6-83
			5-19-11
Actual Prod. During Test	Oil-Bbls.	Water - Bbls.	Gae-MCF heirf
		1	U
	fwd separate cover 8-15-83		
Actual Free. Tool-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
CAOF 24 hrs 40 = 261		119 BC	53 Choke Size
BP	2879	Casing Pressure ( Shut-1m. pkr	
			1 1/2" orifice
1. CERTIFICATE OF COMPLI	ANCE		SERVATION DIVISION

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ŧ	hashe contin that the rules and regulations of the Oil Conservation	APPR

ROVED FER 1 6 1984

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Myseller W. J. Mueller
Senior Engineering Specialist
(Tule) 8-15-83

Supervisor District II

TITLE \_

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

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

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

Fill out only Sections 1, 11, 111, and VI for changes of owner walt manus or number, or transporter, or other such changes of rundith

 $(\mathbf{x}_{i},\mathbf{y}_{i}) \in [\mathbf{x}_{i},\mathbf{y}_{i}] \in [\mathbf{x}_{i},\mathbf{y}_{i}]$ 

RECEIV	50 EY
FEB 13	1984
O. C. ARTESIA	

V

PHILLIPS 66

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EXPLORATION AND PRODUCTION GROUP Permian Basin Region

PHILLIPS PETROLEUM COMPANY

DATE: February Lu, 1984

ENERGY AND MINERALS DEPT. OIL CONSERVATION DIVISION ATTN: MR. W. A. GRESSETT DRAWER "DD" ARTESIA, NEW MEXICO 88210

#### NOTICE OF GAS CONNECTION

ODESSA, TEXAS 79762 4001 PENBROOK

Phillips Petroleum Company

B. Rush-Representative

Production Records Supervisor Rm. 215 Phillips Building

cc: To Operator Oil Conservation Commission - Santa Fe

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			RECEIVE	D BY	"
			JUN 061	984	
PHILLIPS 66	PHILLIPS PETROLEUM COMPANY ODESSA, TEXAS 79762 4001 PENBROOK		O. C. I Artesia, Ci		
	EXPLORATION AND PRODUCTION GROUP Permian Basin Region	DATE:	June 5.	. 1984	

ENERGY AND MINERALS DEPT. OIL CONSERVATION DIVISON <u>ATTN:</u> MR. W. A. GRESSETT DRAWER "DD" ARTESIA, NEW MEXICO 88210 //

NOTICE OF GAS CONNECTION:

This is to notify the Oil Conservation Commission that connection for the purchase of gas from Phillips Oil Company Operator Illinois Camp "A" Com #1, E, O5-18-28, Empire/Penn Lease Well Unit S. T. R. Pool Phillips Petroleum Company, was made on May 16, 1984

Phillips Petroleum Company

J. B. Rush - Representative

Production Records Supervisor Rm. 215 Phillips Building

cc: Operator Oil Conservation Commission - Santa Fe PHILLIPS PETROLEUM COMPANY



ODESSA, TEXAS 79762 4001 PENBROOK OCT 15 1984 O. C. D. ARTESIA, OFFICE

RECEIVED BY

EXPLORATION AND PRODUCTION GROUP Permian Basin Region October 11, 1984

> Leasehold Production Requirements -Illinois Camp A Com No. 1 -Artesia Plant/Gathering Systems Gas Well Proration, Eddy County, New Mexico

Phillips Oil Company Box 2105, Hobbs, New Mexico 88240

Attention: Mr. A. A. Hochstein Area Manager

Gentlemen:

This will constitute authority for the physical production of the Phillips Oil Company Illinois Camp A Com Well No. 1, Empire Pennsylvanian Gas Pool, located in Unit E, Section 5, T-18-S, R-28-E, Eddy County, New Mexico, for one day and at a total production volume not to exceed 50 Mcf gas, on or before November 16, 1984. It is understood that the production to be allowed is in line with proration advice dated September 4, 1984, for the subject systems, and is expressly for leasehold purposes. It is also understood that the drillsite lease is further identified as State of New Mexico Oil and Gas Lease No. E-7179.

Production arrangements should be made with the appropriate Phillips Oil Company operating personnel.

Cordially,

E. E. Clark, Agent

THM:se

cc: Commissioner of Public Lands, State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87501 New Mexico Department of Energy Oil and Gas Division Drawer DD, Artesia, New Mexico 88210



## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP January 8, 1985 Permian Basin Region

> Leasehold Production Requirements -Illinois Camp A Com No. 1 - Artesia Plant/Gathering Systems Gas Well Proration, Eddy County, New Mexico

Phillips Oil Company Box 2105 Hobbs, New Mexico 88240

Attention: Mr. A. A. Hochstein Area Manager

Gentlemen:

This will constitute authority for the physical production of the Phillips Oil Company Illinois Camp A Com Well No. 1, Empire Pennsylvanian Gas Pool, located in Unit E, Section 5, T-18-S, R-28-E, Eddy County, New Mexico, for one day and at a total production volume not to exceed 50 Mcf gas, on or before January 16, 1985. It is understood that the production to be allowed is in line with proration advice dated September 4, 1984, for the subject systems, and is expressly for leasehold purposes. It is also understood that the drillsite lease is further identified as State of New Mexico Oil and Gas Lease No. E-7179.

Production arrangements should be made with the appropriate Phillips Oil Company operating personnel.

Cordially.

E. E. Clark Agent

RECEIVED BY JAN 111985 O. C. D. ARTESIA, OFFICE

THM/kjw REG3/ill

cc: Commissioner of Public Lands
 State of New Mexico
 P. 0. Box 1148
 Santa Fe, New Mexico 87501

New Mexico Department of Energy Oil and Gas Division Drawer DD Artesia, New Mexico 88210



# PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

March 20 1

O. C. D. ARTESIA, OFFICE

APR -3 1985

**RECEIVED BY** 

EXPLORATION AND PRODUCTION GROUP Permian Basin Region

March 28, 1985

Phillips Oil Company Box 2105 Hobbs, New Mexico 88240

Attention: Mr. A. A. Hochstein Area Manager

> In Re: Leasehold Production Requirements -Illinois Camp A Com No. 1 Artesia Plant/Gathering Systems Gas Well Promation, Eddy County, New Mexico

Gentlemen:

This will constitute authority for the physical production of the Phillips Oil Company Illinois Camp A Com Well No. 1, Empire Pennsylvanian Gas Pool, located in Unit E, Section 5, T-18-S, R-28-E, Eddy County, New Mexico, at a total production volume not to exceed 50 Mcf/D gas, on March 28 and 29, 1985. It is understood that the production to be allowed is in line with proration advice dated September 4, 1984, for the subject systems, and is expressly for leasehold purposes. It is also understood that the drillsite lease is further identified as State of New Mexico Oil and Gas Lease No. E-7179. This authorized production made may be repeated every other month.

Production arrangements should be made with the appropriate Phillips Oil Company operating personnel.

Cordially,

E. E. Clark Agent

EEC:THM:cjw

cc: Commissioner of Public Lands
 State of New Mexico
 P. O. Box 1148
 Santa Fe, New Mexico 87501

New Mexico Department of Energy Oil and Gas Division Drawer DD Artesia, New Mexico 88210 STATE OF NEW MEXICO

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TIGY MO MINERALS DEPARTMEN	Ţ			RECEIVED BY	(Chicky)
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Vre VI		NSERVATIO		AUG 01 1989	
1/1/	SANTA	FE, NEW MEX		O. C. D.	
AME OFFICE ONL IV				ARTESIA, OFFICE	
CAS	RE	DUEST FOR ALLO	WABLE		•
	AUTHORIZATION 1	AND TO TRANSPORT O	HL AND NATURAL	GAS	
etaiot					
PHILLIPS PETROLI	EUM COMPANY				
4001 Penbrook	Odessa, Texas	79762	•		
stan(s) for filing (Check proper box)			Other (Please espi	lia/	
New Well Recomplication	Change in Transporter	els	Changed from	n	
Change In Quenership		Cantonano	Phillips Of	1 Company Augus	t 1, 1985
heavy of ewnership give name			* * * •		<b></b>
address of previous owner	PHILLIPS OIL COM	PANY 4001 Pe	nbrook Od	essa, Texas	
DESCRIPTION OF WELL AND	LEASE		•		
Illinois Camp A Com	1 Emp	incluting Formation ire Penn		of Louve Federal or Fee State	E7179
cullas				, read arrest State	15/1/9
Link Letter E 1980	) Feet Free The	North Line and	990 <b>r</b>	t From The West	
• 5	18-5		9_17		
Line of Section Term		Ranes 2	o-e , NMPM,	Eddy	Ca
ESIGNATION OF TRANSPO	DRTER OF OIL AND N	VATURAL GAS			· · · · · · · · · · · · · · · · · · ·
Phillips Petroleum Compa		- 1		th approved copy of this form	e is to be sent,
ime al Authorizes Transporter of Casin				a, Texas 79762	n is to be sent,
Phillisp Petroleum Compa			Penbrook Odess		
well preduces all or liquids,	Unit Sec. Twp.	Ree. Is yes a	etually connected?	when Root in	n 7
his production is commingled with	that from any other less	e or pool, rive com	mingling order numb	Kast 7 8-9-0	
·	-			Chg Or	- •
)TE: Complete Parts IV and V		····· II	<b></b>		
CERTIFICATE OF COMPLIAN	CE .		OIL CONSE	ERVATION DIVISION	•
reby certify that the rules and regulations	s of the Oil Conservation Div	ision have APPR	OVEDAUG		19
n complied with and that the information ; knowledge and belief.	fixed is conclude and complete to	the best of	ORIG	INAL SIGNED	
·			GEOLO	GIST - NMOCD	
		TITLI	•		
BRush	J. B. Rush			ed in compliance with R r allowable for a newly d	
Signature Braduction Becards Super	•	weil, t	his form must be ac	companied by a tabulation accordance with AULS	on of the dev
Production Records Superv	/1301	A	I sections of this fo	we must be filled out cen	
July 25', 1985		epte o	a new and recomple	tod wells.	

(Dece)

Fill out only Sections 1. II. III. and VI for changes of c well name or number, or transporten or other such change of conc

Separate Forms C-104 must be filed for each pool in mu

ENERGY AND MINERALS DEPAR	JIL CONSERVA	TION DIVICIC	
DISTRIBUTION SANTA FE			
	Р. О. ВО		Form C-103
		V MEXICO 87501	Revised 10-1-2
	RECEIVED BY	- MEXICO 37301	So. Indicate Type of Lease
V.S.O.S.			
LAND OFFICE	AUG 20 1986		State K Fee
OPERATOR V	MUG 20 1986		5. State Oil 6 Gas Lease No.
		API No. 30-015-2448	5 E-7179
SUI	DRY NOTICES AND REPORTS ON	WELLS	
DO NOT USE THIS PORM FO	PAOP SALS TO WALL OR TO OFTEN OR PUG	BACK TO A DIFFERENT RESERVOIR. CH PROPOSALE.]	
1.			7. Unit Agreement Name
**** 🗆 **** 🗵	57H CR+		
Nome of Operator			8. Farm of Lease Name
	Company		Illinois Camp A COM
Phillips Petroleum	Sompany		9, Well No.
3. Address of Operator			
	t, Odessa, Texas 79762		1:
4, Location of Well			10, Field and Pool, or Wildcat
LETTER	1980 north	990	Empire Penn
9877 557 (97 <u></u>			
west une	5 Township 18-5	28-Е	
THE WESL LING, A	CTION TOWHERIP	RANGE	~~~`{{}}}}}}))))))))))))))))))))))))))))
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		Dr, AI, OA, Recy	
	2654 'GR		Eddy
it. Che	k Appropriate Box To Indicate N	Nature of Notice. Report or	Other Data
	INTENTION TO:	-	ENT REPORT OF:
		0005200	
С		· · · · · · · · · · · · · · · · · · ·	
PLAFORM SEMEDIAL WORK	FLUE AND ABANDON	NEMEDIAL WORK	ALTERING CABING
TEMPORARILY ASANDON		COMMENCE DRILLING OPHS.	PLUS AND ABANDONMENT
AULE OR ALTER CASING	CHANGE PLANS	CARING TENT AND CEMENT JOB	
		other Clean out tra	c sand w/coiled tbg unit
AT	<b>П</b>	& return to p	roduction
	· · · · · · · · · · · · · · · · · · ·		
	t Operations (Clearly state all pertinent det	ails, and give persinent dates, inclu	ding estimated date of starting any proposed
work) SEE AULE 1103.			
7-16-86: 10401'PTD		bg to depth of 4200',	developed a hole
7-16-86: 10401'PTD	RU coiled tbg unit. Ran the in 1" tbg & pulled from w		developed a hole
7-16-86: 10401'PTD	in 1" tbg & pulled from w	ell.	developed a hole
7-16-86: 10401'PTD		ell.	developed a hole
7-16-86: 10401'PTD 7-17 thru	in l" tbg & pulled from w Last test: 0 BO, OBW & 0 h	ell. MCFG.	
7-17 thru	in l" tbg & pulled from w Last test: 0 BO, OBW & 0 h	ell. MCFG.	
	<pre>in 1" tbg &amp; pulled from w Last test: 0 BO, OBW &amp; 0 M WIH w/1" tbg &amp; washing to</pre>	ell. MCFG. ol, fost circ at dept	h of 7200'. Shut off
7-17 thru	<pre>in 1" tbg &amp; pulled from w Last test: 0 BO, OBW &amp; 0 D WIH w/1" tbg &amp; washing to nitrified circ fluid and d</pre>	ell. MCFG. ol, fost circ at dept displaced tbg with nit	h of 7200'. Shut off rogen, foam displaced
7-17 thru	<pre>in 1" tbg &amp; pulled from w Last test: 0 BO, OBW &amp; 0 F WIH w/1" tbg &amp; washing to nitrified circ fluid and o from tbg very thick and h</pre>	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping
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7-17 thru 7-21-86:	in 1" tbg & pulled from we Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and of from tbg very thick and he nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD co Good returns w/just nitrog	ell. MCFG. ol, lost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen.	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen.
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7-17 thru 7-21-86: 7-22-86:	in 1" tbg & pulled from w Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and from tbg very thick and h nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD c Good returns w/just nitro MI & RU DDU. Dropped stand Perf'd tbg at 9788'. Swbd	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen. ding valve and RU rota 3 hrs, IFL 2800', FFI	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen. ry. WIH w/perf gun. at 4000', rec 36 BW.
7-17 thru 7-21-86:	in 1" tbg & pulled from w Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and of from tbg very thick and h nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD c Good returns w/just nitro MI & RU DDU. Dropped stand Perf'd tbg at 9788'. Swbd Swbd FL down to 9000'. ND	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen. ding valve and RU rota 3 hrs, IFL 2800', FFI wellhead & NU BOP. Re	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen. ry. WIH w/perf gun. at 4000', rec 36 BW. leased pkr at 9906', P00H.
7-17 thru 7-21-86: 7-22-86:	in 1" tbg & pulled from w Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and from tbg very thick and h nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD c Good returns w/just nitro MI & RU DDU. Dropped stand Perf'd tbg at 9788'. Swbd	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen. ding valve and RU rota 3 hrs, IFL 2800', FFI wellhead & NU BOP. Re	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen. ry. WIH w/perf gun. at 4000', rec 36 BW. leased pkr at 9906', P00H.
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7-17 thru 7-21-86: 7-22-86:	in 1" tbg & pulled from w Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and of from tbg very thick and h nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD c Good returns w/just nitro MI & RU DDU. Dropped stand Perf'd tbg at 9788'. Swbd Swbd FL down to 9000'. ND	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen. ding valve and RU rota 3 hrs, IFL 2800', FFI wellhead & NU BOP. Re and tagged sand at 101	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen. ry. WIH w/perf gun. at 4000', rec 36 BW. leased pkr at 9906', POOH. 80'. C0 to 10280'.
7-17 thru 7-21-86: 7-22-86: 7-23-36: 7-24-86:	in 1" tbg & pulled from w Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and of from tbg very thick and he nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD c Good returns w/just nitro MI & RU DDU. Dropped stand Perf'd tbg at 9788'. Swbd Swbd FL down to 9000'. ND WIH w/hydrostatic bailer POOH w/hydrostatic bailer	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen. ding valve and RU rota 3 hrs, IFL 2800', FFI wellhead & NU BOP. Re and tagged sand at 101 , WIH w/wire-line guid	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen. ry. WIH w/perf gun. at 4000', rec 36 BW. leased pkr at 9906', POOH. 80'. C0 to 10280'. e, 1 jt 2-3/8" tbg,
7-17 thru 7-21-86: 7-22-86: 7-23-36: 7-24-86:	in 1" tbg & pulled from we Last test: 0 BO, OBW & 0 M WIH w/1" tbg & washing to nitrified circ fluid and of from tbg very thick and he nitrogen, started nitrifi- from 1700 psi to 4000 psi returns at surface. SD c: Good returns w/just nitro; MI & RU DDU. Dropped stand Perf'd tbg at 9788'. 'Swbd Swbd FL down to 9000'. ND WIH w/hydrostatic bailer	ell. MCFG. ol, fost circ at dept displaced tbg with nit eavy. Ran tbg to dept ed circ fluid at this after starting nitrif irc fluid and displace gen. ding valve and RU rota 3 hrs, IFL 2800', FFI wellhead & NU BOP. Re and tagged sand at 101 , WIH w/wire-line guid	h of 7200'. Shut off rogen, foam displaced h of 9900' while pumping point. Pmp press went ied circ fluid. No d tbg w/nitrogen. ry. WIH w/perf gun. at 4000', rec 36 BW. leased pkr at 9906', POOH. 80'. C0 to 10280'.
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SITP 200 psi. Bled well down. Swbd 8 hrs, rec 57 BW. Well kicked off flowing. Put well on line.	:98-52-2
tbg-csg annulus with 2% KCL water & tested to 500 psi for 30 min, held ok. Swbd 4 hrs, rec 14 BW.	
5-1/2" Big-Bore Lok-Set pkr, 10' 2-3/8" Sub, F-Nipple, 365 Jts 2-3/8" tbg internally tested to 5000 psi above slips, Set pkr at 9900' with 11000# compression. ND BOP, NU wellhead. Loaded	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	( 1003) .98-76-2

Fiwd 24 hrs on 29/64" choke, rec 450 MCFGPD.

Fiwd 24 hrs on 29/64" choke, rec 450 MCFGPD.

Job complete.

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:98-12-1

:98-97-2



LANTA PE	ICE Form C-104 Revised 10-01-78 Ports C-104 Revised 10-01-78 Formati 04-01-49 Page 1 P. O. BOX 2058 FE, NEW MEXICO 87501 QUEST FOR ALLOWABLE
AUTHORIZATION T	AND TO TRANSPORT OIL AND NATURAL GAS
. PHILLIPS PETROLEUM COM	IPANY
4001 Penbrook Ode:	essa, Texas 79762
Ressan(s) for filing (Check proper bas)	Other (Please explain)
New Well Change in Transporter     Recompletion     Call	KX Dry Gee Effective date
Change in Ownership Casinghord Gas	Contenses 1-1-86
Unit Letter E 1980 Feet From The Nor	rth Line and 990 Feet From The West
Lacenten E 1980 Food From The Nor Unit Lotter E 7000 Food From The Nor Line of Section 5 Township 185 IL. DESIGNATION OF TRANSPORTER OF OIL AND N Version of Amberiand Townships of Contenants 6	Penn     State     E717       rth_Line and     990     Feet From The     West       Range     28E     NACPAG     Eddy     Course       NATURAL GAS     Address (Give address to which approved copy of this form is to be sent)
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Levention Unit Letter_E	Penn       State, Federal or Fee State       E717         rth_Line and       990       Feet From The       West         Ramee       28E       NutPM,       Eddy       Cau         NATURAL GAS       Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Address (Give address to which approved copy of this form is to be sent)       4001 Penbrook, Odessa, Texas 79762         Rep       Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?       When         Image: Is gas actually connected?

Supervisor District (1	JAN 29 1986
Tar A Gimming	
N. S. Section N. E. Porter Original Sign Segior Gas Well Engineer	PATE 1-23-86
I hereby certily that intermation above is true and complete to the best of my knowledge and helief.	
well down to pit. WIH w/swb, pulled approx. 600' fluid.	Waited 1 hr, made SEE REVERSE SID
to pit (nitrogen gas) and then died. WIH w/swab to seati approx. 800'-900' of scattered fluid. Closed well in. 1	ing nipple, pulled
and 8,000# 20/40 ceramic proppant, energized w/800 SCF/bt closed in three hours after treatment. Bled well to pit.	. Well flowed 2.5 hrs
29.000 gals cross linked gelled 2% KCL water carrying 18,	,000# 20/40 mesh sand
wellhead isolation tool and tested. Treated Morrow perfs	; 10,070'-10,184' w/
12-23 thru 12-25-85: TP 50#. Blew well down. WIH w/swab to SN, 800' scattered	fluid. Installed
12-21 & 22-85: Well SI.	•
12-20-85: WIH w/swab to SN, 900' scattered fluid. Swbd 2 bbls in 5	b hrs.
dry no fluid to SN. SDON *	
well to pit, well flowed 1 hr 20 min approx 50 bbls load.	WIH w/swab, tbg
hib 370. Held 1000# on annulus during treatment. Acidize w/3000 gals 7 1/2% low surface tension HCL acid; 78,000 S	ed Morrow perfs SCF_nitrogen. Flowed
12-19-85: MI & RU DDU. FL @ 8000' from surface. Swbd down to SN @ wellhead isolation tool & tested. Loaded annulus w/27 KC	L water w/1% techni-
work) SEE RULE 1 foz.	
escribe Proposed or Completed Operations (Clearly state all pertinent describe, and give pertinent dates, includ	ling estimated date of starting any propose.
st w c #	
ALL ON ALTER CADINE CHANGE CADINE TEST AND CEMENT JAN CADINE	·
	.+LUS AND ANANDON
AFFOR A SANDAN WARE . PLUE AND ABANDON . REMEDIAL WORK	ALTERINE CABINE
NOTICE OF INTENTION TO: SUBSEQUE	INT REPORT OF:
Check Appropriate Box To Indicate Nature of Notice, Report or (	
2654 'GR	Eddy
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	12. County
THE WEST LINE, SECTION 5 TOWNSHIP 18-S RANGE 28-E	
WHIT LETTER E 1980 FEET FROM THE NOTTH LINE AND 990 FEET FR	Empire Penn
Location of Well	10. Field and Pool, or Wildom -
Room 401, 4001 Penbrook Street, Odessa, Texas 79762	1
Phillips Petroleum Company	9. Well No.
Nume of Operator	E. Fem of Lease Heme Illinois Camp A COM
USE "APPLICATION I OF PERMIT "" IFORM COTOLI FOR SULF PROPOSALE.	7. Unii Agreemeni Nome
SUNDRY NOTICES AND REPORTS ON WELLS	
API No. 30-015-24485	E-7179
	Stote A Fat
U.1.C.A. JAN 27 1986	Sc. Indicole Type of Lecse Stole X Fee
RECENTED RECENTED FE. NEW MEXICO 87501	Revised 10-1-71
L CONSERVATION DIVISI N	fors (+10)
JERGY AND MINERALS DEPARTMENT	L
STATE OF NEW MEXILU	

12-24-85 (cont.) another run. Could not get any fluid out of hole. SDON. 12-24-85 (cont.) another run. Sould not get any fluid out of hole.

12-26-85: TP 600#. Well flowed to pit for one hr and died. Made 2 swb runs, well kicked off and started flowing at 11:00 a.m., flowed well until 9:00 p.m. Gas to wet to burn. Closed well in, SDON.

12-27-85: TP600#. Opened well to pit to clean up. Flowed well until 2:00 p.m. Well cleaned up. Gas burning good and clean. Placed well on production.

12-28- thru 1-19-86: Tested well.

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1-20-86: FLOWEd WELL at a rate of 962 MCFD, FTP 463#.

Job complete, well returned to production.

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Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural R		Form C-103 Revised 1-1-89
DISTRICTI P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO		WELL API NO.
DISTRICT II P.O. Drawar DD, Astenia, NM 88210	Santa Fe, New Mexico	<b>NZIGA-788</b> 8	5. Indicate Type of Lesse
DISTRICT III 1000 Rio Anzos Rd., Azac, NM 87410	А	UG - 2 <b>1993</b>	STATEX FEE
SUNDRY NOT	CES AND REPORTS ON WE		
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESEI (FORM C		OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: Off	OTHER	- · ·	ETail-ILLinois Comp A Com
2 Namer of Opension	troleum Con	Aan	8. Well No.
3. Address of Operator / HC 60 Box 66	Louinston M	1	9. Pool same or Wildcat
4. Well Location Unit Lotter: : ! 9 9	O Feet From The North		O Free From The West Line
Section 5	Township 185 R	28 E	NMPM Eddy County
	10. Elevation (Show whether	DF, RKB, RICR ac.)	
ii. Check A	Appropriate Box to Indicate I	Nature of Notice, Ro	eport, or Other Data
NOTICE OF INT	ENTION TO:	SUB	SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING	OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING	_	CASING TEST AND CE	
OTNER:		OTHER:	
	-Raisers are P , thnessed - NM	iped to se	
I hereby certify that the information above in the STOWATURE Carry M TYPE OR PROPERTINANE Danny ( (This space for State Une)	n Polmer		Tester DATE 8-3-93 TELEPHONE NO. 391-5316
	BY RAY SMITH	OIL AND GA	S INSPECTOR AUG 0 6 1993

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Submit 3 Copies State of New Mexico to Appropriate Lgy, Minerals and Natural Resources Departmen District Office	Form C-103 Reviewd 1-1-89
DISTRICT I P.O. Box 1980, Hobba NM H240 OIL CONSERVATION DIVISION	WELL API NO.
P.O. Box 2088	30-015-24485
DISTRICT II Santa Fe, New Mexico 87504-2088 P.O. Drawer DD, Artesia, NM \$8210	5. Indicate Type of Lense
DISTRICT III	STATE X SEE
1000 Rio Brazos Rd., Aziec, NM 87410 .JAN 2 8 1994	6. State Oil & Gas Lease No. E-7179
SUNDRY NOTICES AND REPORTS ON WELLS ( DO NOT USE THIS FORM FOR PROPOSALS TO DRILL, OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well:	7. Lease Name or Unit Agreement Name Illinois Camp A Com
2. Name of Operator	8. Well No.
Phillips Petroleum Company	1
3. Address of Operator	9. Pool same or Wildcat
4001 Penbrook St., Odessa, Texas 79762	Empire Penn
Unit Letter <u>E</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>99</u>	0 Foot From The West Line
Section 5 Township 18-S Range 28-E	NMPM Eddy County
10. Elevation (Show whether DF, RKB, RT, GR, ec.)	
Check Appropriate Box to Indicate Nature of Notice	
the second s	
	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK I PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLI	
PULL OR ALTER CASING CASING TEST AND	CEMENT JOB
OTHER: OTHER:	
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give partinent dates, inc work) SEE RULE 1103.	luding estimated date of starting any proposed
<ul> <li>11/19/93 Pump 20 bbls 2% KCL down tubing. MI RU. Insta 5000 psi. GIH with 2" gauge run to 10080'. CO bridge. Set at 10006'. COOH. GIH with 2" bai plug. COOH. GIH and dump 6' of cement on plug 11/23/93 MI RU, install lubricator. GIH with retreiving GIH with bailer and dump 14' cement on plug. CO</li> </ul>	OH. GIH with thru-tubing ler and dump 30# lead shot on g. COOH. RD M/O. Shut well in.
let cement set. 11/30/93 RU & pumped 55 bbls 2% kcl. Tested plug to 190 Well on vacuum. RD M/O.	0#. Well broke back to 0 psi.
I hereby certify that the information above in true and complete to the best of my knowledge and belief.	Affairs 1/24/94
TYPEOR PRINT NAME L. M. Sanders	TELEPHONE ND.915/368-1488
(This space for Suite Use) NUPERFORM - DISTRICT II	·E8 <b>3 1994</b>
ATTRONED BY	

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CONDITIONS OF APPROVAL, IF ANY:

District I PO Box 1980, Hob District II PO Drawer DD, An District III 1060 Rio Braxos Re District IV P() Box 2088, Saute	tesia, NM 8 I., Aziec, NN	8211-0719 1 87410	Ener Ol	Minerals & IL CONSE P.C		urces Departmer N DIVISIO		C  Suba	Revis	Form C-104 ed February 10, 1994 Instructions on back opriate District Office 5 Copies MENDED REPORT
I.	F	REQUES	T FOR A	LLOWAB	LE AND	AUTHORIZ	ZAT	ION TO TR		
		<sup>1</sup> Opt	erator name an	d Address				2 0	GRID Numb	¢r
PHILLIPS P		UM COMPA	NY .			/			0176	43
4001 PENBR						$\checkmark$		<sup>3</sup> Ros	son for Filing	g Code
ODESSA, TE	XAS /	9762						L	<u> </u>	AME
1					5 Pool					6 Pool Code
	15-2448	35		E	MPIRE PE					76440
1 -	perty Code				8 Property	•			9	Well Number
	09104 Surface	Location	•	·····	ILLINOIS	CAMP A				1
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South 1	Ine I	Fest from the	East/West li	no County
E	5	185	28E		1980	N		990	W W	EDDY
······		Hole Lo		I	1,000	1	<u>l</u> .	350	n	EUUT
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South	Line	Feet from the	East/West li	ne County
E	5	185	28E		1980	N		990	W	EDDY
12 Lse Code	13 Producia	ng Method Co	de 14 Gas C	onnection Date		ermit Number	16	C-129 Effective I		C-129 Expiration Date
<u> </u>		F	01	/01/86	ľ					
III. Oil and	i Gas Ti									
<sup>18</sup> Transporter OGRID			nsporter Name ad Address	>	20 PC	D 21 0	Ø/G		ULSTR Loc nd Descriptio	
024010	РНТІ			CO. TRUC	1			E 5 18S 2		n.
034019	400:	1 PENBRO			(S 2083			C D 105 2	:OE.	
009171			PORATIO	V	2083	830 0		E 5 18S 2	28E	
6 N.		4 PENBRO			<u>1975</u>	2.8			٠	
20 19	UDES	<u>SSA, TX</u>	79762		24 - 2 64 - 151				<del>∕∼r≘n∿</del>	
							- Act.	Red	SEIV	
								.11	jN 221	995
										1
XX Decelor	ningen Maria		····-		Sugar de la s				CON	DIV.
IV. Produce	ea wate				24 POD UI	STR Location and	Descr	intion	DIST.	2
208385	:0	E 5 18	3S 28E							ĺ
V. Well Co		2	5 20E							
25 Spud Dat		26 E	Ready Date		27 TD	]	28	PBTD	29	Perforations
30 Holo	e Sic		<sup>31</sup> Casing	& Tubing Sizo		32 Depth S	ct		<sup>33</sup> Sacks	Cement
······································				******						
	· · · · · ·									
VI. Well Te	st Data	<u> </u>								
34 Dats New Oil		Gas Delivery	Date	<sup>36</sup> Test Date	37	Test Length	3	<sup>8</sup> Thg. Pressure	39	Csg. Pressure
40 Choke Size		<sup>41</sup> Oil		42 Water		43 Gas		<sup>44</sup> AOF		Test Method
<sup>46</sup> I hereby certify t complied with and the best of my know Signature: Printed name:	hat the infor	s of the Oil Co mation given	above is true a	vision have been and complete to	Approved Title:	by: ORI	GIN/	SERVATION	Y TIM W.	

21		OBERL	-
Κ.	R.	пкен	-

Dato: 06/19/95	Phone: (915)368-1675			1000	
<sup>47</sup> If this is a change of operator fill in the	OGRID number and name of the pr	revious operator	<u></u>		
Previous Operator	r Signature	Printed Name		Title	Date

	State of New M		~	dist
Submit 3 Copies to Appropriate District Office	Energy, Minerals and Natural			Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs NM 88240	OIL CONSERVATIO	088	WELL API NO. 30-015	-24485
DISTRICT II P.O. Drawer DD, Antesia, NM 88210	Santa Fc, New Mexic	o 87504-2088	5. Indicate Type of Lease	
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. Stato Oil & Gas Loaso No E-7179	
	ICES AND REPORTS ON WE			
DIFFERENT RESE (FORM C	OPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PE 101) FOR SUCH PROPOSALS.)	RMIT"	7. Loase Name or Unit Agre ILLINOIS CAMP A	
I. Type of Well: OIL WELL WELL GAS	OTHER			
2. Name of Operator Phillips Petroleum Com	anv		8. Well No. 001	
3. Address of Operator 4001 Penbrook Street, (			9. Pool name or Wildcat EMPIRE PENN	
4. Well Location Unit Letter <u>E</u> : <u>198</u>	O Feet From The NORTH	Line and 99	0 Feet From The	WEST Line
Section 5	Township 18-S F	tango 28-E	NMPM EDDY	County
	10. Elevation (Show wheth	her DF, RKB, RT, GR, etc 2654' GR	.) ////////////////////////////////////	
II. Check Aj	propriate Box to Indicate	Nature of Notice,	Report, or Other D	ata
NOTICE OF I	NTENTION TO:	SUB	SEQUENT REPO	DRT OF:
		REMEDIAL WORK		g casing
		COMMENCE DRILLING		
		CASING TEST AND CE	MENT JOB	
OTHER: ADD PERFS & TEST M	ID MORROD FORMATION	OTHER:		
12. Describe Proposed or Completed Op work) SEE RULE 1103.		tails, and give pertinent dat	es, including estimated date o	f starting any proposed
1. HIRU HES, NU WELLHE	AD, RIH W/SINKER BAR, PERF MIDDLE MORROW AS	GAUGE RING ON WI	(RELINE TO PBTD, (	соон.
10 0287-10 0367 4	SHOTS PER FOOT, 8 FOOT HE GAS PRODUCTION UNIT	33 SHOTS, COOH	I, RDMO HES, TE AND FLOWING T	BG PRESSURE
UNTIL WELL STABILIZ	ES.			ED)
			MAY - 3 195	96
			oil con.	DIV.
			Dist. 2	
I hereby certify that the information above je t	$\sim$			
SIGNATURE	Men III	ue <u>Senior Regula</u>	tion Analyst DATE	05/02/96
TYPE OR PRENT NAME LARTY N. San	ders		TELEPHONE	<u>™.(915)368–148</u> 8
(This space for State Use) ORIGINAL SIG DISTRICT II SI	NED BY THE W. GUM			MAY 9 1996
CONDITIONS OF APPROVAL, IF ANY:		LE	DATE	

!

Submit 3 Copies to Appropriate	State of New M Energy, Minerals and Natura		C Form C-103 ent Revised 1-1-89
District Office DISTRICT ( P.O. Box 1980, Hobbs NM 88240	OIL CONSERVATIO	088	WELL API NO. 30-015-24485
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexi	CO 87504-2088	5. Indicate Type of Lease STATE 🚺 FEE 🗌
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	0		6. State Oil & Gas Lease No. E-7179
(DO NOT USE THIS FORM FOR PA	TICES AND REPORTS ON WE ROPOSALS TO DRILL OR TO DEEPEN ERVOIR. USE "APPLICATION FOR PE	I OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
I. Type of Well; OIL GAS WELL WELL WELL	C-101) FOR SUCH PROPOSALS.		ILLINOIS CAMP A COM
2. Name of Operator Phillips Petroleum Com	Dany JUL	1 5 1995	8. Well No. 001
3. Address of Operator 4001 Penbrook Street,	下前: 小	ICR. DIV.	9. Pool name or Wildcat EMPIRE PENN
4. Well Location		· :,. :,.	
Unit Letter <u>E</u> : 196	Feet From Tro	<u> </u>	
Section 5	Township 18-S F	tange <u>28–E</u> her DF, RKB, RT, GR, etc	NMPM EDDY County
		2654' GR	
	CHANGE PLANS		
<b>1</b> 1		COMMENCE DRILLING	
JLL OR ALTER CASING		CASING TEST AND CEN OTHER: <u>ADD PERF</u>	MENT JOB
work) SEE RULE 1103. D5/27/96 MI RU HALLIBU TBG PRESS 68 BAR 2-1/8" G/ WIH W/2-1/8" MORROW: 10208 8-1-83, PRESS 6:00 PM, RD H 5/28/96 PRODUCING 90# 5/29/96 PRODUCING 86#	JRTON T/CK PBTD & PERF PSI RATE 58 MCF GAS, C AUGE RING & JNK BSKT T/ DYNASTAR STRIP GUN W/1 3'-10036' (8' 3 SHOTS)	CASING TEST AND CEI OTHER: <u>ADD PERF</u> tails, and give pertiment dat MID MORROW, INST ONTINUE PRODUCIN 10300' (116' BEL 5.5 GR CHRGS 4 S CORRELATED W/SCH PSI F/5 MIN 5:10 F P/D. /D. D, FINAL REPORT.	MENT JOB S & TST MIDDLE MORROW es, including estimated date of starting any proposed ALL PRE-TESTED 5000# LUB, FLOW IG DURING WL OPER, WIH W/SINKER OW BTM PERF @ 10,184'), POOH, SPF & O DEG PHASING, PERF'D MID ILUMBERGER GR-CCL LOG DATED SPM,T/143 PSI @ 5:30 & 136 PSI (
ULL OR ALTER CASING THER: THER: TEC Describe Proposed or Completed Op work) SEE RULE 1103. TBG PRESS 68 BAR 2-1/8* G/ WIH W/2-1/8* MORROW: 10208 8-1-83, PRESS 6:00 PM, RD H 5/28/96 PRODUCING 90# 5/29/96 PRODUCING 86# 5/30/96 PRODUCING 84#	Derations (Clearly state all pertinent de URTON T/CK PBTD & PERF PSI RATE 58 MCF GAS, C AUGE RING & JNK BSKT T/ DYNASTAR STRIP GUN W/1 3'-10036' (8' 3 SHOTS) 5 WENT FR/60 PSI T/150 HALLIBURTON, FLOW WELL. FLOW PRESS @ 101 MCF P FLOW PRESS @ 101 MCF P FLOW PRESS @ 98 MCF P/ COMPLETE DROP FROM R UNDER BESS @ 98 MCF P/ COMPLETE DROP FROM R	CASING TEST AND CEI OTHER: <u>ADD PERF</u> tails, and give pertinent dat MID MORROW, INST ONTINUE PRODUCIN 10300' (116' BEL 5.5 GR CHRGS 4 S CORRELATED W/SCH PSI F/5 MIN 5:10 F P/D. /D. D, FINAL REPORT. EPORT	MENT JOB S & TST MIDDLE MORROW es, including estimated date of starting any proposed ALL PRE-TESTED 5000# LUB, FLOW IG DURING WL OPER, WIH W/SINKER OW BTM PERF @ 10,184'),POOH, SPF & O DEG PHASING, PERF'D MID ILUMBERGER GR-CCL LOG DATED SPM,T/143 PSI @ 5:30 & 136 PSI (

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210	State of New Mexico Energy Minerals and Natural Resou;s	Form C-104A March 19, 2001
<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Oil Conservation Division 220 South St. Francis Dr. Santa Fe, NM 87505	Submit 1 copy of the final affected wells list along with I copy of this form per number of wells on that list to appropriate District Office

# **Change of Operator**

Prev	vious Operator Information:	New Operator Information:		
		Effective Date:	01/01/2003	
OGRID:	017643	New Ogrid:	217817	
Name:	Phillips Petroleum Company	New Name:	ConocoPhillips Company	
Address:	4001 Penbrook Street	Address:	4001 Penbrook Street	
Address:		Address:		
City, State, Zip:	Odessa, TX 79762	City:, State, Zip:	Odessa, TX 79762	

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

New Operator Signature:	yolanda Perez	
Printed name:	Yolanda Perez	
Title:	Sr. Regulatory Analyst	
Date:	12/30/2002 Phone: (832)486-23	29
		and the second
Previous oper	ator complete below:	NMOCD Approval
Previous		Signature: Sim W. Gum
Operator:	Phillips Petroleum Company	Signature:
Previous		Printed
OGRID:	017643	Name: Michael Sigerousan
Signature:	Sode allen	District:
Printed		Date: JAN 2 4 2003
Name:	Steve de Albuquenque	Date: 233 2 4 2005

1-015-24485

# IT IS THEREFORE ORDERED:

. . .

(1) That the application of Rio Pecos Corporation for an unorthodox gas well location for the Wolfcamp/Pennsylvanian formations is hereby approved for a well to be located at a point 1980 feet from the North line and 990 feet from the West line of Section 5, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(2) That the N/2 of said Section 5 shall be dedicated to the above-described well.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION JOE D. RAMEY. Director

9-9-93 Ch-f Duf. -10448 Dfh-877 6500-10449 DC-07 6500-10449 6500-10449 6500-10449 6500-10445 CP

R-7286 - NSL Bin - 7876



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

Mark E. Fesmire, P.E. Director Oil Conservation Division

Todd Itspest in Program "Preserving the Interpty of On Navie noment"

21-Jul-05

#### **CONOCOPHILLIPS COMPANY**

4001 Penbrook St. Odessa TX 79761

## **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.

			INSPECTIC	N DETAIL	L SECTION		
ULLINOIS ( Inspection Date 07/21/2005	CAMP A CO Type Inspecti Routine/Peri Violations	on	Inspector Chris Beadle	Violation? Yes	E-5-18S-28E *Significant Non-Compliance? No	30-015-24485-00- Corrective Action Due By: 8/22/2005	-00 Inspection No. iCLB0520250048
Comments of	Absent Well Id on Inspection:	Well Sign n	s (Rule 103) ot in compliance with F 19.15.3.103.F(4) and (5	Rule 103. Sign ).	n does not list footage	s or API number as re	equired

#### Oil Conservation Division \* 1301 W. Grand \* Artesia, New Mexico 88210 Phone: 505-748-1283 \* Fax: 505-748-9720 \* http://www.emnrd.state.nm.us

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,

· 1

 $(d_{i}^{-1}) = (d_{i}^{-1})^{-1} + (d_{i}^{-$ 

Artesia OCD District Office

Note: Information 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, Datlas, Texas.

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الواقع المراجع 
Oil Conservation Division \* 1301 W. Grand \* Artesia, New Mexico 88210

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District II		, NM 88240 · · tesia, NM 8821		Energy Mi	ineral		al Resources		Form C-141 Revised October 10, 2003		
1000 Rio Brazi District IV 1220 S St Fra	District IV 1220 S 220 S St Francis Dr., Santa Fe, NM 87505 Sam			Sout	onservation Division South St. Francis Dr. nta Fe, NM 87505			Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form			
30-0/5.	2448	5	Rel	ease Notific	catio	n and C	orrective A	ction			
nMLBOGI	535348	7/				ERATOR			tial Report 🔲 Final Report		
Name of Co	ompany C	ConocoPhilli	ps Com	any	1		hn W. Gates		tial Report Final Report		
Address 3	300 North	1 A St. Bldg	6, Midla	nd, TX 79705-5	406		No. 505.391.31				
Facility Na	me Illinoi	is Camp We	ll No 1			Facility Typ	e Oil and Ga	5			
Surface Ow	ner State	e Of New M	exico	Mineral O	wner	State Of N	ew Mexico	Lease	No 30015244485		
				LOCA	тю	N OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the		VSouth Line	Feet from the	East/West Line	County		
X E	5	185	<del>38E-</del> 28 E	1980	Nort	h	990	West	Eddy		
				Latitude 32 46	684	Longit	ude 104 12 16	1	•		
( <b>T</b>				NAT		OF RELI					
Type of Relea Crude Oil &		d Water				me of Release bl (51oil, 39w			Recovered		
Source of Rel	ease					and Hour of (		(Ooil, Ov Date and			
3X4" Swee	ige on eas	t side of tan	ik			09 NA			Date and Hour of Discovery 2/26/09 1024		
Was Immedia		iven? es 🔲 No		lequired	If YES, To Whom? Geoffrey Leking NMOCD						
By Whom?								····			
Was a Waterc					If YE	and Hour 2/2 S. Volume In	pacting the Wate	TCONES	<u></u>		
			Yes 🛛	No			proving the trace				
If a Watercour	se was imp	acted, Descril	be Fully.*	l	<del></del>		······································				
Describe Caus	e of Proble	n and Remedi	ial Action	Taken.*							
3X4 inch swo isolated, dra	edge on ea ined and 1	ist side of no removed fro	orth tank m servic	t failed due to it e.	iterna	l/external c	orrosion. There	e were no fluid	s recovered. The tank was		
Describe Area	Affected an	d Cleanup Ac	tion Take	n.*	········						
15' X 36' are	a inside ci	aliche dike y	with no c	attle present. T	here v	vere no fluic	ls recovered. S	pill site will be	delineated and remediated		
in accordanc	e with NA	10CD guide	elines								
I hereby certify	that the inf	formation give	n above is	true and complet	e to the	best of my ki	nowledge and und	ierstand that purs	uant to NMOCD rules and		
regulations and	pointions an		coort and/	or flic certain rele	ase noi	Diff Cations and	nerform correction	ua antinna fau ml	ana ashiat		
showing mon obc	1 410113 114 1		cuuareiv in	vestigate and rem	елияте к	contamination	that noon a thread	• • • • • • • • • • • • • • • • • • •	eve the operator of liability , surface water, human health		
or the output	cae madu		D acceptai	tce of a C-141 rep	ort doo	s not relieve t	he operator of res	ponsibility for co	mpliance with any other		
federal, state, or	· local laws	and/or regulat	tions.								
Signature:	foli	n h	!	1 t			<u>OIL CONSI</u>	BRVATION	DIVISION		
Printed Name:	lohn W. G	ntes			A		SIEFEL SUBSTVICE	***	ulin_		
Title: HSER L	éað				Ar	)ل proval Date:	JN 09200	9 Expiration D	late:		
Romail Address	John W A	atan (Derror	_1.111				Count				
E-mail Address:	Jona, W.G	ares@conoco	panntps.co	)m	- Co	nditions of A	pproval: Realized	and part	Attached		
Date: 02/26/20				5.391.3158	N	ncco Lie P	s / Connerte	للا			
<ul> <li>Attach A</li> </ul>	dditional S	Sheets If Neo	cessary				_ ^ ^	·····			

PMLB0915354269

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2.RP-314

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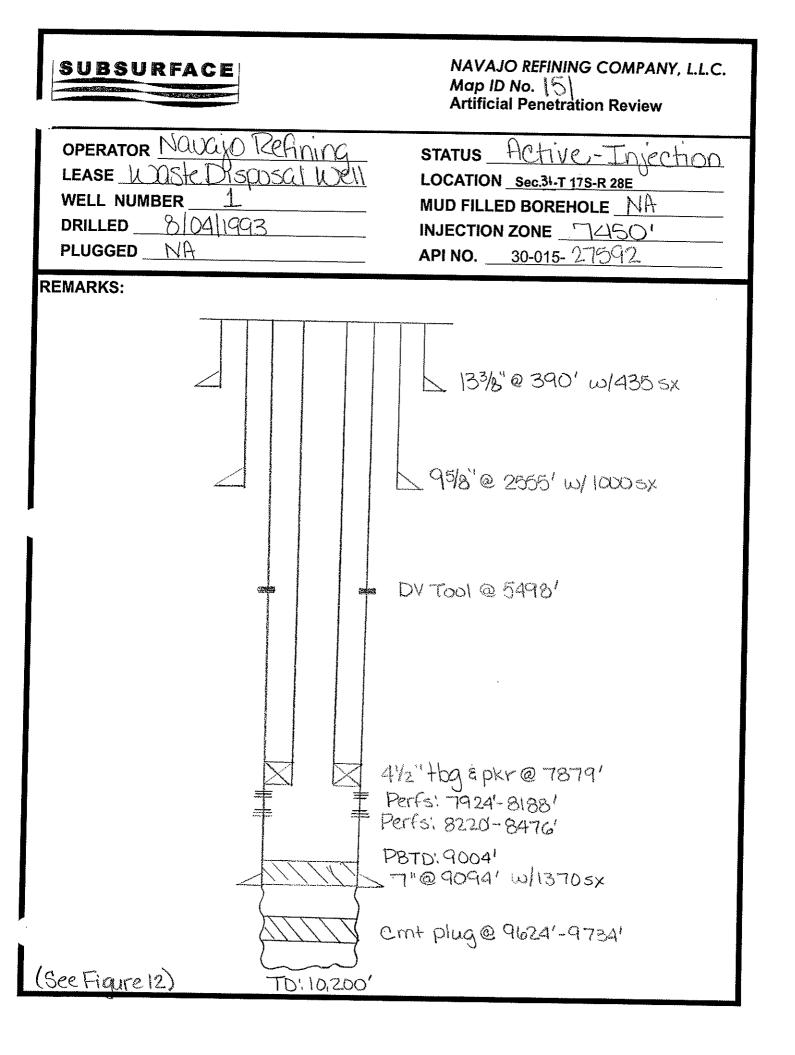
District I 1625 N. French Dr., Hobbs, NM 88240 District II 1201 W. Grand Annual Annual Discourse Energy		f New Mex s and Natur	tico Il Resources		Form C-1 Revised October 10, 20		
1000 KIU Brazos Road, Azacc, NWI 8/410	Aziec, NM 87410 Serie Fa NM 87505 Oil Conservation Division 1220 South St. Francis Dr.				Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back		
		e, NM 87			side of fo		
30 - 0/5 - 24485 Release Not NMLB09153 53481	tificatio	•		ction	2RP 31		
Name of Company ConocoPhillips Company		OPERA Contact Jes		🗌 🔲 Ini	tial Report 🛛 Final Rep		
Address 3300 North A St. Bldg 6, Midland, TX 79705	5-5406	Telephone 1	No. 575-391-3	26	······································		
Facility Name Illinois Camp Well No 1		Facility Typ	e Oil & Gas		······································		
Surface Owner State of New Mexico Mine	ral Owner	State of New	Mexico	Lease	No. 30-015-24485		
		N OF REI		-	A		
Unit Letter         Section         Township         Range         Feet from t           E         5         18S         28E         1980		/South Line orth	Feet from the 990	East/West Line West	County Eddy		
Latitude_32 46 684		_ Longitude	104 12 16	1			
N	ATURE	OF RELI	ASE .				
Type of Release Crude oil & produced water Source of Release 3X4" Swedge on east side of tank			oil, 39 water)	(0 oil, 0			
	•	2/26/09	our of Occurrence NA	e Date and 2/26/0	Hour of Discovery 9 1024		
Was Immediate Notice Given?	ot Required	If YES, To Geoffrey L	Whom? king NMOCD				
By Whom? John Gates		1	ur 2/26/2009	1430			
Was a Watercourse Reached?		If YES, Vol	une Impacting th	te Watercourse.			
Describe Cause of Problem and Remedial Action Taken.* #X4" swedge on east side of north tank failed due to internal/e: emoved from service.	xternal corre	osion. There v	vere no fluids rec	overed. The tank	was isolated, drained and		
Describe Area Affected and Cleanup Action Taken. <sup>4</sup> iquids were contained within 35 X 55 ft tank diked area. The ttached document.	e release was	s delineated ar	d remediated in a	accordance with )	NMOCD guidelines. See		
hereby certify that the information given above is true and con segulations all operators are required to report and/or file certain ublic health or the environment. The acceptance of a C-141 re- nould their operations have failed to adequately investigate and the environment. In addition, MMOCD acceptance of a C-14 deral, state, pr local laws and/orvegulations.	n release not port by the l f remediate (	ifications and NMOCD mark contamination	perform corrective ed as "Final Rep that pose a threat the operator of res	ve actions for rele ort" does not reli to ground water, ponsibility for co	ases which may endanger eve the operator of liability , surface water, human health mpliance with any other		
gnature: un Un	Ар	proved by Dis	OIL CONSI	Ally Be	DIVISION		
Ic: HSE Load			P 2 8 200		Hate: N/A		
nail Address: jesse.a.sosa@conocophillips.com te:			proval: N/A		Attached []		
ach Additional Sheets'If Necessary					RP-314		

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			<u>.</u>	1/ 1		- 161 N	<u>λ</u>	
Submit to Approp District Office State Lease - 6 o	cyniaes	En, Mi	State of New nerais and Natur	w Mexico ai Resources Dej	pertinen.	21 64 6U	a d	Farm C-105 Reviewd 1-1-89
Fee Lante 5 co DISTRICT I P.O. Box 1940, H				TION DIVI	SION	WELLAM N 30-015	<b>0.</b> -27592	
THE AND DD.	Ammin, NM \$\$210		2040 Pachec Santa Fe,	•		5. Indicate T		
DISTRICT III	14. Arter, NM \$7410	,		21920	212223	6. Sum Oil /	k Ges Leess No.	
WEL	L COMPLETIO	N OR RECOM	PLETION REF	ORT AND LOC	3 1		- 2 0	mmmm
1a. Type of Weil: OIL WEI	,	<u> </u>		lass 1 Disp			e or Unit Agreen	Mill Name
b. Type of Comple lotw w with co	ntion: CNUC			S out	1- AK120	282930		
2. Name of Operation				i la		K Well No.		
3. Address of Open	efining Comp	bany		. 61	199787	WDW-1		
Post Off	ice Box 159,	Artesia, N	ew Mexico	88211		Naka jo	Fajecti	Ng-
- 4. WELL LOCHLOR						969	18 Perm	J PENH
Unit Letter	<u> </u>	10 Feet From Th	East	Line and	660	First Fr	Sou	ith Line
Section	31	Township	17S	Range 28E	N	MPM	T J J	County
10. Data Spurided	11. Date T.D. Ree	ched 12. Date	Compl. (Ready to )	- 202		FA RKB, KT, GR	Eddy	kv. Casingband
8/4/93	9/9/93		8/4/98	3	678 fee			
10,200 feet	16. Ping B 9004	feet	17. If Mailtiple C Many Zoune?	ompt. How 1	8. Intervais Deilled B	¥ !	1	Tools
19. Producing Interval				<u> </u>		AL.	1. Was Directions	Comment Market
	o 8476 feet	(Cisco)				-	Yes	Servey Made
21. Type Electric and (						22. Was Well	and the local data and t	
a.	og, Density					No		
		CASING I	RECORD (R	eport all string	s set in	well)		
CASING SIZE		SJFT. DEP	TH SET	HOLE SIZE	CE	MENTING RE		MOUNT PULLED
	48		90	17-1/2		acks "C" I acks "C" N		None
9~5/8"	36	2	555	12-1/4		acks "C" L	Contraction of the local division of the loc	None
7 "	26.6.2				1200 sa	acks "C" N	ieet	
,	26 & 2	JUNER RECO	094	8-3/4				k "H" Lite Nor
SIZE	TOP	BOTTOM	SACKS CEMEN	T SCREEN	25.		NG RECORL	
						<u>STZE  </u> 4-1/2	DEPTH SET 7879	PACKER SET
Performing new	and Generation		1					1
Perforation reco	-8030. 8050-	56. 8066-80	= $542$ hole	S DEPTH INT	<u>, SHOT, P</u>	RACTURE	CEMENT. SC	UEEZE, ETC.
L18-8127, 816	50-64, 8170-1	88, 8220-54,	8260-70	7924 -		1	AND KIND MA	the second second second second second second second second second second second second second second second s
280-8302, 837	10-78, 8360-6	56, 8400-10,	8419-23,		B476	5000 gal	<u>15% HC1 +</u> 15% HC1 +	salt
30-46, 8460-	64, and 847	0-76	PROPERT					
First Production	Ph	voluction Mathod (F	PRODUCT	<u>ION</u> 1999 - Sine and sym		1	Web 0	
N/A		N/A			· •••••		Wat Simis (From	a or Shid-inj
of Test	Hours Tented	Choks Size	Prod's For Test Period	Oil - Bhi.	Gas - MC	F Wete	r-BbL	Gas - Oil Rano
Tubing Press.	Caning Pressure	Calculated 24- Hour Rate	Ой - Вы.	Gas - MCF	Wate	r - BbL	Oil Gravity - AP	· · · )
Disponsion of Ges (Sol	d. und for fuel, verse	d, ac.)			·	Test Witnes	the second second second second second second second second second second second second second second second se	- ID-2 4-99
ii turesis							0 -	weil
Reentry a	nd completio	n report to	follow.					
hereby certify that t	in NA							
Signature 10	ult 1 10	<u>arc</u> ;	<u>Uirre</u>	11 Maire	Title	Env. Mpr. L.	Water Da	- 4/21/48

Submit 3 Copies to Appropriate District Office	State of New Energy, Minerals and Natural	Resources Department	Form C-103 Revised 1-1-89
BICT I Jox 1980, Hobbs, NM 88240	OIL CONSERVAT		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexic		30-015-27592
DISTRICT III			5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No. B-2071-28
( DO NOT USE THIS FORM FOR PR DIFFERENT RESE	HVOIR. USE "APPLICATION FOR (	EN OF PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: Out CAS WELL CAS WELL	OTHER	RELEIVED	 Chalk Bluff "31" State
2. Name of Operator Hewbourne 011 Compan	y /	AUG - 9 1993	8 Well No.
3. Address of Operator P.O. Box 5270 Hobbs	, New Mexico 88240	C. I. D.	9. Pool name or Wildcat Illinois Camp Morrow North
4. Well Location Unit Letter;	OFeet From The East	Line and 66	
II. Check A NOTICE OF INT	Appropriate Box to Indicate ENTION TO:		
JLL OR ALTER CASING	PLUG AND ABANDON	REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER:	
EMPORARILY ABANDON	CHANGE PLANS	REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER: and give pertinent dates, includ d 17~1/2" surface 9 Jts. of new 48 n cmtd. w/375 sks owed by 150 sks. mes were 12.4#, 6 u.ft. Compressivated formation te 12 hrs. NU annu 0 min. Held ok.	COPNS.
EMPORARILY ABANDON	CHANGE PLANS	REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER: and give pertinent dates, includ d 17-1/2" surface 9 Jts. of new 48 n cmtd. w/375 sks owed by 150 sks. mes were 12.4#, 6 u.ft. Compressive ated formation te 12 hrs. NU annual 0 min. Held ok. 5 a.m. 08/05/93.	ALTERING CASING PLUG AND ABANDONMENT MENT JOB Ment JO

Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural I		Form C-103 Revised 1-1-89				
<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240 <u>RICT II</u>	OIL CONSERVATI P.O. Box 20 Santa Fe, New Mexico	)88	WELL API NO. 30-015-27592				
Drawer DD, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	×.	5. Indicate Type of Lease STATE FEE					
(	A(1	6. State Oil & Gas Lease No. B-2071-28					
DIFFERENT RESEL	ICES AND REPORTS ON WE DPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PE -101) FOR SUCH PROPOSALS.)	HOP PLUG BACK TO A	7. Lease Name or Unit Agreement Name				
1. Type of Well: OIL GAS WELL GAS WELL	OTHER		Chalk Bluff "31" State				
2. Name of Operator Mewbourne 0il Company	/		8. Well No.				
<ol> <li>Address of Operator</li> <li>P.O. Box 5270 Hobbs</li> <li>Well Location</li> </ol>	New Mexico 88241		9. Boot name or Wildcat Illinois Camp Norrow North				
Unit Letter :	Feet From The East	Line and660	Feet From The South Line				
Section 31		ange 28E )	MPM Eddy County				
	10. Elevation (Show whether 3678 <sup>3</sup> GR						
II. Check A NOTICE OF INT	Appropriate Box to Indicate 1 ENTION TO:		port, or Other Data SEQUENT REPORT OF:				
		REMEDIAL WORK					
	CHANGE PLANS	COMMENCE DRILLING					
PULL OR ALTER CASING		CASING TEST AND CEN	MENT JOB				
OTHER:		OTHER:					
12. Describe Proposed or Completed Operati work) SEE RULE 1103.	ons (Clearly state all pertinent details, an	d give pertinent dates, includi	ng estimated date of starting any proposed				
08/09/93 Drilled 12-1	/4" hole to 2555' KB.	Ran 57 its. of	nev: 9-5/8" 36# 1-55 8vd				

1.

J8/09/93 Drifted 12-1/4" note to 2555" KB. Ran 5/ jts. of new 9-5/8", 36#, J-55, 8rd, ST&C casing and set 0 2555' KB. Halliburton cmtd. w/800 sks. of Class "C" Lite containing 1/2#/sk. flocele + 2#/sk. Gilsonite + 12#/sk. salt followed by 200 sacks of Class "C" Neet containing 2% CaCl2. Plug down to 2518' 0 3:00 p.m. 08/09/93. Circulated 133 sks. to pit. Lead cement slurry yield & weight was 12.4#/gal., 1,440 cu. ft. and tail slurry weight volume was 14.8#/gal. & 270 cu. ft. Total slurry volume was 1710 cu. ft. Compressive strength for tail slurry was 1570 psi in 12 hrs. 0 82°F. Estimated formation temp. was 80°F. Estimated slurry temp was 78°F. WOC 12 hrs. NU BOP and pressure tested casing, blind rams, pipe rams, and annular preventor to 1200# each for 15 min. All held ok.

I hereby certify that the in SIGNATURE	formation abo	ove is the and complete to the best of my know		nd belief. TTTLEDr](	j. Supt.	DATE 08/11/93
TYPE OR PRINT NAME	Bill	Pierce				(505) TELEPHIONE NO.93-5905
space for State Use)		QRIGINALI SIGNED BY MIKE WILLIAMS				AUG 2 7 1993
APPROVED BY	L, IF ANY:	SUPERVISOR, DISTRICT I	₽ 1 ,***	TTTLE		DATE

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies		rgy, Minerals	tate of New Me and Natural Re	sources Depa		WELL API N	0.	Form C-105 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 8524	n OI		ERVATIO P.O. Box 208				15-27592	ST "
TRICT II Drawer DD, Artesia, NM \$8	210	Santa Fe,	P.O. Box 208 New Mexico	87504-2088	LEIVEL	5. Indicate T	CT AT	
DISTRICT III				<u>S</u> F.D	2719		& Gas Lesse No.	
1000 Rio Brazos Rd., Aztec, NM WELL COMPLI		FCOMPLET				B-207	71-28 ////////////////////////////////////	
1a. Type of Well:			OTHER	I AND LOG		7. Lease Nag	ne or Unit Agree	ment Name
b. Type of Completion:					```			
		k 🗌 🕺	ESVR OTHER			l	3 <b>]</b> uff "3]"	'State
2. Name of Operator Newbourne 0il Con	anany					8. Well No.		
3. Address of Operator						9. Pool name	or Wildcat	
P.0. Box 5270 Ho	obbs, ilew	Fiexico	88241			Illinois	Camp Mor	row, North
Unit Letter:	2310 Fo	et From The	East	Line and	660	Feet	From The SO	uth Line
Section 31 10. Date Spudded 11. Date 7	To T.D. Reached	waahip 17S	Ran npl. (Ready to Prod			IMPM F& RKB, RT, C	Eddy	County
•	09/93	12. 1946 COL		.) <u>15. E</u> u	3678'		iK, «IC.) 14.	Elev. Casinghead
15. Total Depth 16.	Plug Back T.D.	1	7. If Multiple Comp Many Zones?	L How 1	8. Intervals Dnilled H		is <sub>I</sub> Cal	ble Tools
10,200 <sup>1</sup> 19. Producing Interval(s), of this co	mpletion - Ton.	Bottom, Name					20. Was Directio	nn - n
							ilo	man online's Marie
21. Type Electric and Other Logs R						22. Was W		
<u>Dual Laterlog</u> , De	•	•	•	•				
CASING SIZE WE	<u>CA</u> IGHT LB/FT.	DEPTH	CORD (Rep	ort all string IOLE SIZE		well) Menting f	ECOPD	AMOUNT PULLED
13-3/8"	48#			7-1/2"	375 9	sks. "C"	Lite +	None
0.1.401	201		05551	0.1/40		sks."C" i	ieet	
<u>9-5/8"</u>	36#		2555'	12-1/4"	800 s	<u>sks. "C"</u> sks. "C"	Lite +	None
						15	NECL	
24. SIZE TO		TTOM			25.		BING RECO	the second second second second second second second second second second second second second second second se
3122 101	с <u>Б</u>		SACKS CEMENT	SCREEN		SIZE	DEPTH SE	T PACKER SET
				1			<u> </u>	
26. Perforation record (inter	val, size, and	number)		27. ACII				SQUEEZE, ETC. MATERIAL USED
N/A								
28.	·····	I	PRODUCTI	DN		E		****
Date First Production	Product		wing, gas lift, pum		ж ритф)		Well Status (	(Prod. or Shut-in)
Date of Test Hours T	icated (	Choke Size	Prod'a For Test Period	Oil - BЫ.	Gas - N	ACF V	Vator - Bbl.	Gas - Oil Ratio
Flow Tubing Press. Casing I		Calculated 24- Hour Rate	Оіі - Вы.	Gas - MCF	W	Mer - Bbl.	Oil Gravity	- API - (Corr.)
29. Disposition of Gas (Sold, used fo	r fuel, vented, et	:.)	<u></u>	<u> </u>		Test W	itnemed By	
List Attachments			······································					
Deviation Report 31. I hereby certify that the inform			f this form is true	and complete i	to the bes	of my knowle	edge and belief	
Signature <u>Rill</u>	His	P	rinted Jame Bill	Pierce		Drla	Sunt	Date 09/23/93

Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural R		Form C-103 Revised 1-1-89
DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO		WELL API NO.
TRICT II Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico		30-015-27592
DISTRICT III			5. Indicate Type of Lease STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No.
SUNDRY NOT	CES AND REPORTS ON WEL	10	<u>B-2071-28</u>
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESER	POSALS TO DRILL OR TO DEEPEN VOIR. USE "APPLICATION FOR PEI 101) FOR SUCH PROPOSALS.)	OB PUIG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: OIL CAS WELL WELL	·····	FP 1 4 1997	Chalk Bluff "31" State
2. Name of Operator	OIl Company	Q. L . D.	8. Weil No.
3. Address of Operator	OTF COMPANY		9. Pool name or Wildcat
P. 0. Box	5270 ; Hobbs, New Ni	exico 88241	Illinois Camp Norrow, North
4. Well Location			
Unit Letter :	Feet From The East	Line and660	Feet From The South Line
Section 3]	Township 17S Rar	1ge 28E ,	NMPM Eddy course
	10. Elevation (Show whether I	DF, RKB, RT, GR, etc.)	NMPM Eddy County
	3678'		
11. Check A	ppropriate Box to Indicate N		
	ENTION TO:	SUB	SEQUENT REPORT OF
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING	
	L		
OTHER:		CASING TEST AND CEI	
		OTHER:	
<ol> <li>Describe Proposed or Completed Operation work) SEE RULE 1103.</li> </ol>	ns (Clearly state all pertinent details, and	l give pertinent dates, includi	ing estimated date of starting any proposed $P_{a} \neq D - 2$ 3 - 18 - 94
9-9-93: Drilled 8 3/4' evaluated well	production hole to a	T.D. of 10,200*	K.B. Ran electric logs and $A$
9-10-93: Decided to pl office in Art	ug well. Received ver esia to plug well. Pl	bal permission aced cement plu	from Mike Stubblefield w/NMOCD gs at following depths:
	45 sacks of Class "H" 45 sacks of Class "H" 55 sacks of Class "H" 45 sacks of Class "H" 45 sacks of Class "H" 45 sacks of Class "H" 65 sacks of Class "H" top of cement plug @ 2	Neet @ 9734' Neet @ 8528' Neet @ 7866' Neet @ 6648' Neet @ 5320' Neet @ 3734' Neet W/2% CaCl <sub>2</sub> 350'.	40 sacks of Class "H" Neet @ 440' 10 sacks of Class "H" Neet From 30' to surface. Rig released @ 7:00 PM, 9-11-93. Installed dry hole marker. @ 2605'. HOC 4 hours. Tagged
I hereby certify that the information above is not an skow is not an skow in the store is the start and skow is the store	d complete to the best of my knowledge and be		erintendent DATE Sept. 13, 1993
TYPE OR PRINT NAME	····		TELEPHONE NO.
s space for State Use)	· · · · · · · · · · · · · · · · · · ·	-	
APPROVED BY TELDE STUDIE LA CONDITIONS OF APPROVAL, IF ANY:	- TITLE	Field Rep. 1	DATE April 11.94

Submit I Copy To Appropriate District	State of New Mexico	Form C-103
District I ~ (575) 393-6161 Energy,	Minerals and Natural Resources	Revised August 1, 2011
1625 N French Dr , Hobbs, NM 88240 District II - (575) 748-1283		WELL API NO. 27592
	ONSERVATION DIVISION	5. Indicate Type of Lease
1000 Rio Brazos Rd , Aztec, NM 87410	220 South St. Francis Dr. Santa Fe, NM 87505	STATE FEE
t <u>rict IV</u> – (505) 476-3460 J S St Francis Dr , Santa Fe, NM	6. State Oil & Gas Lease No.	
o / 505		B-2071-28
SUNDRY NOTICES AND RE (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL DIFFERENT RESERVOIR USE "APPLICATION FOR PE PROPOSALS)	OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Mewbourne WDW-1
1. Type of Well: Oil Well Gas Well	Other Injection Well	8. Well Number WDW-1
2. Name of Operator		9. OGRID Number
Navajo Refining Company		
3. Address of Operator	1	10. Pool name or Wildcat: Navajo Permo-
Post Office Box 159, Artesia, New Mexico 8821	1	Penn 96918
4. Well Location	231	0
	eet from the <u>South</u> line and <u>221</u>	
	Ownship         17S         Range         281           Killer         100	
3678' GL	n (Show whether DR, RKB, RT, GR, et	<i>c.)</i>
STATE OF CONTRACTOR STATES		
12 Check Appropriate I	Poy to Indicate Native of Nation	Demost an Other Det
	Box to Indicate Nature of Notice	e, Report of Other Data
NOTICE OF INTENTION	ro: su	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK 🔲 🛛 PLUG AND /		
TEMPORARILY ABANDON		
PULL OR ALTER CASING D MULTIPLE C	CASING/CEME	NT JOB 🕴 🔲
THER: PERFORM PRESSURE FALLOFF TEST	OTHER:	
12 Describe proposed or completed operation		
of starting any proposed work). SEE RUL	E 19 15 7 14 NMAC For Multiple C	and give pertinent dates, including estimated date
proposed completion or recompletion.	b 19119.1.14 Market 1 of Multiple C	ompletions. Attach wendore diagram of
November 14, 2011 –Install bottomhole g	auges into WDW-1, WDW-2, and WI	DW-3 by 11:45am. Continue injection into all
three wells.		·
November 15, 2011 – Continue injection i	nto all three wells.	
established for WDW-1 and continue for a	30 hour injection period. Do not even	e shut-in. A constant injection rate will be
November 17, 2011 – At 7:00pm, WDW-	will be shut in for a 30-hour falloff r	period. WDW-2 and WDW-3 will remain shut-
in.		
November 18, 2011 – All three wells will	continue to be shut in while monitorin	g falloff pressure in all three wells.
November 19, 2011 – At 7:00am, acquire	downhole pressure gauges from all the	ree wells. Tag bottom of fill and come out of
ft 3000 ft 2000 ft 1000 ft surface) Run	t stops while coming out of WDW-1	every 1000 feet (7000 ft, 6000 ft, 5000 ft, 4000 nduct temperature survey from the surface to the
top of the fill. Turn the wells back to Nav	aio personnel.	nduct temperature survey from the surface to the
	A - 1	
ADade 10/11/11		RECEIVED
Anaphan tar pasard		
Accepted for record		OCT <b>07</b> 2011
Later Ar		
		NMOCD ARTESIA
	1	
rud Date:	Rig Release Date:	
	۰ L	
ereby certify that the information above is true an	d complete to the best of my knowled	ge and belief.
T-210	Ð	<b>~</b>
GNATURE mola to	Project E	mg. neer DATE 10/3/11
CINAL SIX MAL	111LC	J VIOV DALE 14/2/11

Type or print name Time thy For State Use Only	Jones E-mail address:	Homes Csubsurface group compton PHONE: 713-880-4640
APPROVED BY: Conditions of Approval (if any):	TITLE	DATE

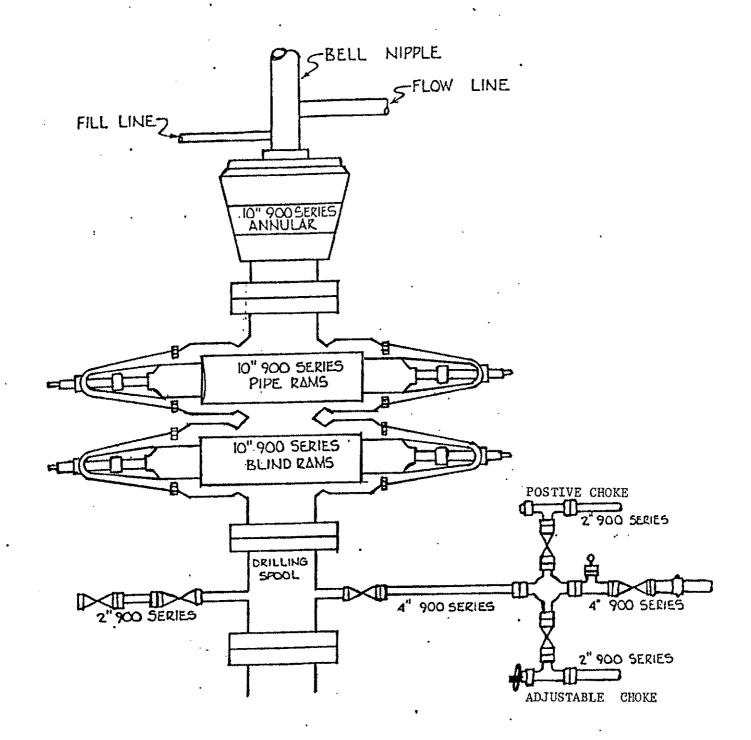
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			·	
Submit I Copy To Approprinte District	State of New 1	Aerica		
Office District J - (575) 393-6161	Energy, Minerals and Na		R	Form C-1
1625 N. French Dr., Hobbs, NM 88240 District II - (575) 748-1283		•	WELL API NO. 275	
811 S. First SL, Artesia, NM 88210 District III-(505) 334-6178	OIL CONSERVATIO		30-015-26592-> 5. Indicate Type of Leas	
1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fi		STATE 🔀	FEE
District IV - (505) 476-3460 1220 S. St. Francis Dr., Sanin Fe, NM 87505	Santa Fe, NM		6. State Oil & Gas Leas B-2071-28	e No.
SUNDRY NOTIC (DO NOT USE THIS FORM FOR PROPOS, DIFFERENT RESERVOIR. USE "APPLIC/ PROPOSALS.)	LES AND REPORTS ON WELL ALS TO DRILL OR TO DEEPEN OR I ATION FOR PERMIT" (FORM C-101)	A DO NOV TO A	7. Lease Name or Unit . Mewbourne WDW-1	Agreement Name
	Jas Well 🔲 Other Injection	Well	8. Well Number WDW	•1
Navajo Refining Company	<u>.</u>		9. OGRID Number	
3. Address of Operator Post Office Box 159, Artesia, New	Mexico 88211		10. Pool name or Wilde Penn 96918	at: Navajo Pern
4. Well Location			. <b>.</b>	
Unit Letter <u>0</u> ; ( Section 31	560 feet from the <u>Sout</u> Township 17S		feet from the _East	
	Township 17S 11. Elevation (Show whether D	Range 28E R. RKB. RT. GR. etc.	NMPM	County Edd
	3678' GL			
12. Check Ar	propriate Box to Indicate	Natura of Notice	Perpert or Other Duty	
	•			
		REMEDIAL WOR	SEQUENT REPORT	
······	CHANGE PLANS	COMMENCE DRI		RING CASING
		CASING/CEMEN		ν~ ι
OTHER: PERFORM PRESSURE FAI	LLOFF TEST	OTHER:		
13 Describe proposed or commuter				· [
<ol> <li>Describe proposed or complet of starting any proposed work proposed completion or recom</li> </ol>	J. SEC KULE 19.15.7.14 NMA	C. For Multiple Cor	d give pertinent dates, inclu npletions: Attach wellbore	ding estimated e diagram of
November 8, 2011 –Install be	tiomhole gauges into WDW-1,	WDW-2, and WDW	-3 by 11:45am. Continue i	njection into all
three wells. November 9, 2011 – Continue				•
November 10, 2011 At 12:1	5pm, the offset wells WDW-2	and WDW-3 will be s	shut-in. A constant injecti	on rate will be
comparation for WEDAA-1 UNIT C	ontinue for a 30 hour injection p pm, WDW-1 will be shut in for	eriod. Do not exceed	1000 peig wallhood process	
November 12, 2011 – All due	c wells will continue to be shut	in while monitoring	falloff programs in all threes	
reasonation to to to William	am, acquire downhole pressure	vanges from all three	wells Tas house of GH	
nore very arowry, insking /-ini	inute gradient stops while comin rface). Run in hole with a temp	no one of WDW-1 ev	eru 1000 Feel (ፓስቡስ ሴ. ራስስ	A B CAAA A
top of the fill. Turn the wells	back to Navajo personnel.		ouct temperature survey tro	in the surface to
		,		
				•
	· ·			
Spud Date:	Rig Release D	uto:	l l	
Spud Date:	Kig Kelease D	uic:		
. L		L	and belief	
Spud Date:		L		

.

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Type or print name Timothy Johes E-mail address: tjune see Subsurface group. Com PHONE: (713) 560-4905 Chine TITLE Environtal Engine DATE 11/4/2011 APPROVED BY: \_\_\_\_\_\_ Conditions of Approval (if any): - Fall- OF forts to be von at each UICI - closs I (NH-) well. - Issue of injection well interconnection of injection zone and fiture Fall-off Test scholule to be resolved at a later data based on the preferred tests for demonstrating inter - connection between injection well (1) and injection zone ..



Mewbourne Oil Company Chalk Bluff "31" State #1 2310' FEL & 660' FSL Section 31-T17S-R28E Eddy County, New Mexico Lease # B-2071-28

۰.

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

DISTRICT I P O Box 1980, Hobbs, NM 88240

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

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

#### State of New Mexico Energy, Minerals and Natural Resources Department

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# **OIL CONSERVATION DIVISION**

P.O. Box 2088

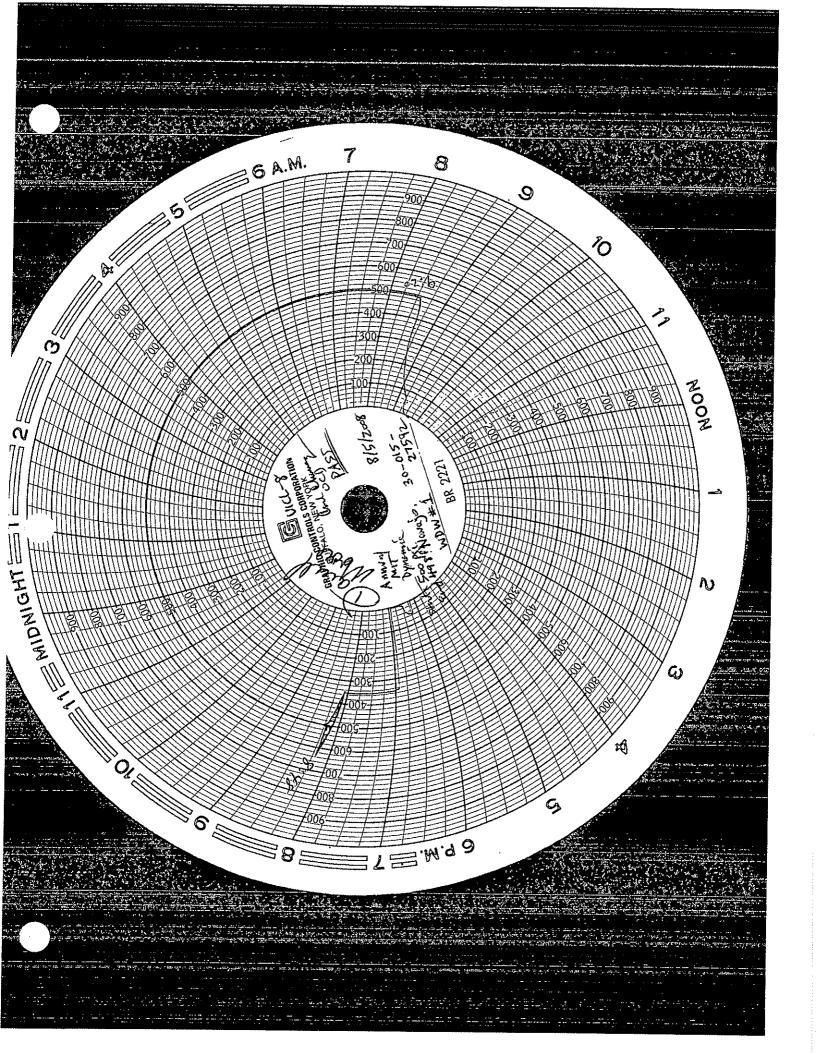
Santa Fe, New Mexico 87504-2088

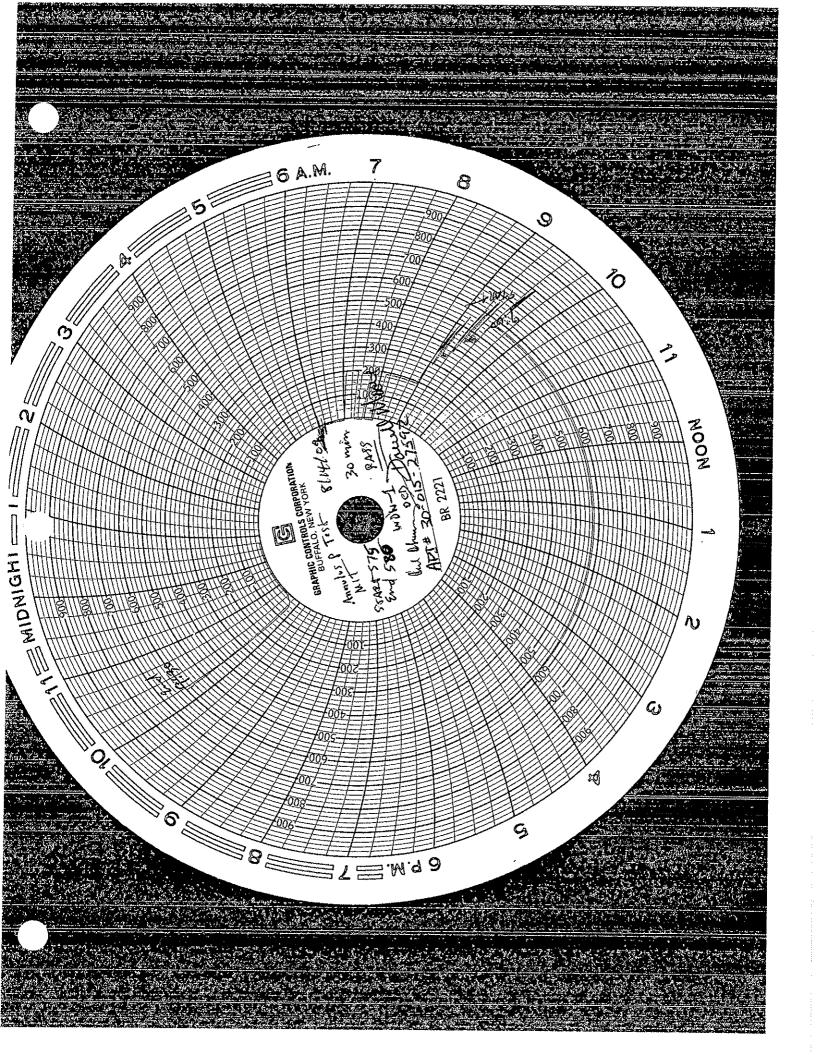
# WELL LOCATION AND ACREAGE DEDICATION PLAT

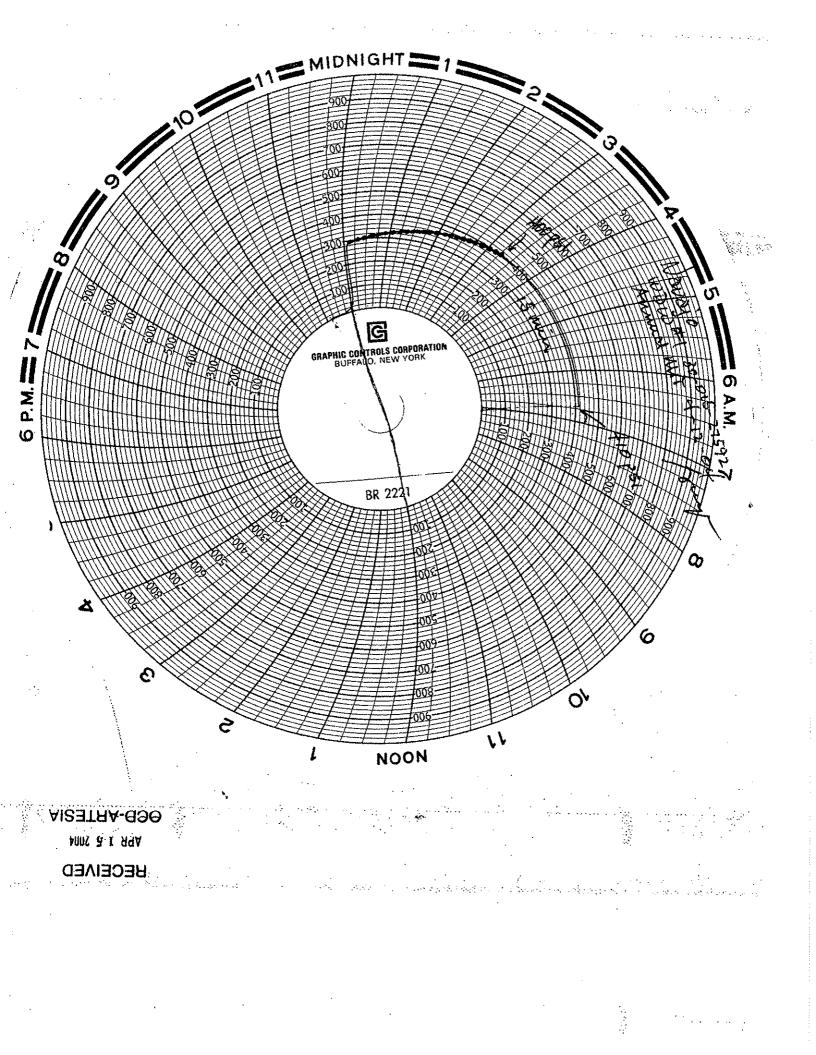
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2040 South Pachaca, Santa Fe, NM \$7505

#### State of New Mexico Energy, Minorale & Natural Resources Department

### OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-10: Revised October 18, 1994 Instructions on baci Submit to Appropriate District Office State Lease - 4 Copie: Fee Lease - 3 Copie:

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ATTACHMENT VI-3

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Top of Cement (feet below	Top of Cement (feet below ground)				m 6000 <sup>4</sup>	1 op of Liner		Surface	Surface	5321
Cement Height	Cement Height (feet)			1919	1001	1671	622	(CU 2002	1865	5079
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Hole Diameter (inches)		17.5	12.25	7.875	5.5		17.5		7 275	C10.1
Cement Volume (sacks)		450	006	430	8		200	1150	1000	
Setting Depth (feet)		472	2589	9473	10140		418	2600	10400	
Casing Diameter (inches)		13.375	8.625	5.5	4.5	10.04	C/C/CT	8.625	5.5	
Map ID No.	;	101				1,57	707			

Cement Height = Cement Volume \* Cement Factor \* Hole Rugosity \* 1/(PI\*(Hole Radius ^ 2 - Casing Radius ^ 2))

- \* For Map ID No. 83, cement volume for 5.5 inch casing includes squeezes.
- \*\* For Map ID No. 124, hole diameter for 4-1/2 inch liner was not reported; 6.125 inches is estimated.
  - <sup>1</sup> Per temperature survey conducted on May 9, 1991.
- <sup>2</sup> Per cement bond log on July 20, 1993. Log is included in Attachment VI-2.

ATTACHMENT VI-3

TOP OF CEMENT IN INJECTION ZONE WELLS IN THE AREA OF REVIEW

Top of Cement (feet below Top of Liner Top of Liner Top of Liner Surface Surface ground) Surface Surface 6250<sup>1</sup> Surface Surface Surface Surface Surface Surface Surface 1547 256 6594 273 1898 1943 Cement Height (feet) 823 4846 10194 443 2250 633 3091 23491 1635 570 2880 3554 127 702 1869 538 2880 7903 1635 Rugosity Hole 0.8  $0.8 \\ 0.8$ 0.8 0.8 0.8 0.8 0.8 8.0 8.0 8.0 8.0 8.0 8.0 (cu ft/sacks) Cement Factor 1.1 Diameter (inches) Hole 17.5 11 7.875 17.5 .11 7.875 17.5 12.25 7.875 6.125 17.5 12.25 8.75 17.5 12.25 8.75 6.125 17.5 12.25 8.75 6.125 Cement Volume (sacks) 650 1400 2007 350 520 500 1100 175 450 1025 1020 100 250 200 200 425 1025 1350 175 Setting Depth (feet) 663 4000 10450 354 1745 8466 400 2600 9445 10198 416 2610 10148 400 2600 8968 10150 400 2604 9450 10119 Casing Diameter (inches) 8.625 5.5 13.375 13.375 9.625 13.375 9.625 5.5 13.375 8.625 5.5 13.375 9.625 13.375 9.625 7 4.5 7 4.5 7 4.5 124\*\* No. No. 83\* 134 144 157 8

337/60a4696.6-3 Revised June 23, 1998

#### 5. Injection Zone Fluid Analysis

The composition of the native formation fluid in the proposed Wolfcamp, Cisco, and Canyon injection zone is expected to be similar to that in these formations in other parts of southeastern New Mexico. The salinity of Wolfcamp, Cisco, and Canyon formation brines from hydrocarbon producing areas in northern Lea County, to the east of Eddy County, was reported by Meyer (1966, Table 4). Attachment VII-3 summarizes the salinity data reported by Meyer (1966, Table 4) for Wolfcamp, Cisco, and Canyon formation brines from limestones that were deposited in a shelf environment similar to that of the proposed injection site. The salinity of the formation brines range from 67,098 to 119,909 parts per million (ppm). The formation brines were produced from intervals that occur between 9001 feet and 10742 feet below ground. Also listed in Attachment VII-7 are data from Strawn limestones that were deposited in a platform environment and that occur at 7700 feet below ground; the salinity of the Strawn formation brine is 39,374 ppm. DST data from proposed WDW-1 indicate that the salinity of fluid recovered from the Cisco Formation in DST No. 5 is 25,000 ppm (Attachment VIII-9).

Navajo will attempt to retrieve a sample of formation brine during the proposed well testing operations. Formation brine samples will be retrieved prior to any stimulation treatments or injection into the well. As discussed above, the salinity of the formation brine in the Wolfcamp, Cisco, and Canyon injection zone is expected to be between 25,000 and 120,000 ppm.



June 25, 1998

Mr. Mark Ashley New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

RE: Response to Request for Information from June 10, 1998, on Navajo Refining Company's Discharge Plan Application Envirocorp Project No. 60A4696

Dear Mr. Ashley:

Enclosed please find two copies of the referenced document. A third copy of the document was transmitted to the New Mexico Oil Conservation Divison (OCD), District II office in Artesia, New Mexico. The document consists of Addendum No. 1 and replacement pages for the Navajo Refining Company's (Navajo) Discharge Plan Application and Application for Authorization to Inject, dated April 1998. The document may be inserted into the back of the binder that holds Navajo's application. Instructions for inserting the replacement pages are included in Attachment A.

Please do not hesitate to contact Darrell Moore of Navajo at (505) 748-3311 or me at (713) 880-4640 if you have additional questions or need more information as you complete your review of the application.

Sincerely,

Nanaj F. niemann

Nancy L. Niemann Senior Geologist

NLN/paf Attachments

c: New Mexico Oil Conservation Divison, District II (with attachments) Darrell Moore - Navajo Refining Company (with attachments) George Walbert - Holly Petroleum, Inc. (with attachments)

ENV ROCHPRISERVICES & TECHNOLOGY INC



### ADDENDUM NO. 1 RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION RECEIVED ON JUNE 10, 1998, FROM THE NEW MEXICO OIL CONSERVATION DIVISION ON THE DISCHARGE PLAN APPLICATION

### NAVAJO REFINING COMPANY Artesia, New Mexico

**Envirocorp Project No. 60A4696** 

**June 1998** 

### **Prepared By:**

# ENVIROCORP SERVICES & TECHNOLOGY, INC. Houston, Texas

ENVIROCORP SERVICES & TECHNOLOGY NO.

7020 PORTWEST DRIVE #100 HOUSTON TRXAS 77024 713 880.0840 FAY 71 URBO/3248

### **ATTACHMENT A**

# INSTRUCTIONS FOR UPDATING NAVAJO'S DISCHARGE PLAN APPLICATION

Insert Addendum No. 1 at the back of the binder that holds the application.

Remove and discard Page 2 of Attachment III-5 (Closure Plan) and replace with the enclosed page.

Remove and discard Page VI-4 of Section 6 and replace with the enclosed page.

Insert the enclosed log and Sundry Notice into the records of Map ID No. 161 in Attachment VI-2.

Remove and discard Attachment VI-3 (Top of Cement in Injection Zone Wells in the Area of Review) and replace with the enclosed table.

Remove and discard Page VII-3 of Section VII (Proposed Operations) and replace with the enclosed page.



#### RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION RECEIVED ON JUNE 10, 1998, FROM THE NEW MEXICO OIL CONSERVATION DIVISION ON NAVAJO REFINING COMPANY'S DISCHARGE PLAN APPLICATION

The following request for additional information on Navajo's discharge plan application was received by Nancy Niemann of Envirocorp in a telephone conversation on June 10, 1998, with Mark Ashley of the OCD.

#### **REQUEST 1:**

The application states that Navajo owns the land surrounding the surface location of proposed WDW-1 (the Mewbourne Oil Company Chalk Bluff 31 State No. 1). Navajo should state the owner of the land surrounding the surface locations of proposed WDW-2 and WDW-3.

#### **RESPONSE:**

Navajo is the owner of the land surrounding the surface locations of proposed WDW-2 and WDW-3, as stated in Item No. 4, Facility Ownership, of the Discharge Plan Application. Navajo owns the two acres that are shown to be surrounding proposed WDW-2 in the surveyor's plat that is included with Form C-102 for proposed WDW-3. Navajo also owns the two acres that are shown to be surrounding proposed WDW-3 in the surveyor's plat that is included with Form C-102 for proposed WDW-3 in the surveyor's plat that is included with Form C-102 for proposed WDW-3 in the surveyor's plat that is included with Form C-102 for proposed WDW-3.

#### **REQUEST 2:**

Navajo shall furnish to the OCD a demonstration of "the ability of the discharger to undertake measures necessary to prevent contamination of ground water," in accordance with 20 NMAC 5210.B.17.

#### **RESPONSE:**

The required demonstration will be forwarded under separate cover by Navajo.

### **REQUEST 3:**

Formation fluid samples from the proposed injection intervals shall be retrieved before any other testing or injection.

ENVIROCORP

### **RESPONSE:**

A sentence has been added to the last paragraph of Section VII.5 that states that retrieval of formation brine samples will be attempted prior to any stimulation treatments or injection into the well. A replacement page is included.

### **REQUEST 4:**

Was cement circulated to the surface around the surface casing and intermediate casing in proposed WDW-1?

### **RESPONSE:**

Cement was circulated to the surface during the cementing of the surface casing of proposed WDW-1. The Daily Drilling Report for the well (first page of Attachment VIII-8) states that Halliburton circulated 86 sacks of cement to the pit on August 6, 1993, while cementing the surface casing.

Cement was circulated to the surface during the cementing of the intermediate casing of proposed WDW-1. The Daily Drilling Report for the well (second page of Attachment VIII-8) states that Halliburton circulated 133 sacks of cement to the pit on August 10, 1993, while cementing the intermediate casing.

### **REQUEST 5:**

The OCD's calculations of the top of cement around the long-string casing of Map ID No. 161 (the Mewbourne Oil Company Federal "T" No. 1 well) indicate that insufficient cement may be present. Submit temperature or cement bond logs that indicate the top of cement. If no additional information is available to indicate the top of cement, Navajo may be required to perform corrective action on this well.

### **RESPONSE:**

Additional information has been obtained from the records of the OCD and from Mewbourne Oil Company that demonstrates that the top of cement in Map ID No. 161 (the Mewbourne Federal "T" No. 1) is above the top of the injection zone. The information indicates that additional cement was pumped behind the long-string casing of the well and that the casing is cemented at least from the base of the casing up to 6000 feet. The top of the injection zone occurs at approximately 7384 feet in Map ID No. 161, or 1384 feet below the top of cement.

#### **VI.D** Condition of Artificial Penetrations

Each of the wells that penetrates the injection zone was evaluated to determine if it will allow movement of fluids into or between USDWs. For the purpose of this demonstration, the artificial penetrations may be categorized as follows:

#### Class II Saltwater Disposal Wells (1 well);

Map ID No. 83, the I&W Inc., Walter Solt SWD-1, is a Class II saltwater disposal well that is currently active. The well injects into the Wolfcamp in four sets of perforations: 7518 to 7534 feet, 7742 to 7756 feet, 7778 to 7787 feet, and 7810 to 7812 feet. The injection zone coincides with the shallowest formation proposed for injection by the proposed Navajo injection wells. The well has surface and intermediate or production casing set to prevent contamination of the USDW. The casing/formation annulus is cemented across the injection zone, as presented in Attachment VI-3. At the end of the well's useful life, the operator will plug and abandon the well according to OCD regulations with cement plugs set to protect the USDW and with heavy mud left in the wellbore. The Class II well in the AOR is listed below:

Map ID No. 83.

No corrective action is required for this well.

### Active Producing Wells (6 wells):

Active producing wells include producing and shut-in oil and gas wells. The mechanical integrity of active producing wells is monitored by the OCD. These wells have surface and intermediate or production casing set to prevent contamination of the USDW. In all wells, the casing/formation annulus is cemented across the injection zone. Reported top of cement, where available, or calculated top of cement for each casing string in each well is presented in Attachment VI-3. At the end of the wells' useful lives, the operators will plug and abandon the wells according to OCD regulations with cement plugs set to protect the USDW and with heavy mud left in the wellbore. The active producing wells within the AOR are listed below:

Map ID Nos. 81, 124, 134, 144, 161, and 167.

# **ATTACHMENT III-5 (Continued)**

- 11. Rig up cement service equipment. Cement shall be densified Class "H" (or comparable), weighing 16.4 pounds/gallon. Pressure test the surface lines as required.
- 12. Spot sufficient Class "H" (or comparable) cement slurry to develop a cumulative 100-foot column (minimum). Pull the tubing up 200 feet and reverse out excess cement. Catch a sample of cement to check curing time and compressive strength. Allow the cement to set overnight (eight-hour minimum) before tagging top of plug to confirm proper setup and location. Pressure test the plug to the pressure recommended by the OCD. If cement is set adequately, proceed to Step 13. Otherwise, spot additional cement on top of the first plug, as before, to achieve a cumulative 100-foot cement plug. Allow cement to set for a longer period, if necessary.
- 13. Displace the casing with heavy mud from top of plug to 2600 feet (50 feet below the base of the intermediate casing).
- 14. Pull tubing up to 2600 feet. Place densified Class "H" (or comparable) cement plug from 2600 feet to 2500 feet. Pull the tubing up 200 feet and reverse out excess cement. Shut down for eight hours, or as required; then, tag the plug to confirm location. Pressure test the plug.
- 15. Displace the casing with heavy mud from 2500 feet to 450 feet (50 feet below the base of the surface casing).
- 16. Pull the tubing up to 450 feet. Place densified Class "H" (or comparable) cement plug from 450 feet to 350 feet. Pull the tubing up 200 feet and reverse out excess cement. Shut down for eight hours, or as required; then, tag the plug to confirm location. Pressure test the plug.
- 17. Displace the casing with heavy mud from 350 feet to 100 feet.
- 18. Pull the work string to 100 feet below the surface and spot 100 feet of densified Class "H" cement as the surface plug. Lay down remaining tubing and remove the bradenhead. Cut casing strings three feet below ground level.
- 19. Weld a 1/2 inch steel plate across the 9-5/8 inch casing. The location of the well will be marked with a steel marker 4 inches in diameter and 4 feet high above mean ground level. The marker will show the operator name, lease name, well number, section, township, range and unit letter.
- 20. Release all equipment and clean up the location.
- 21. Submit closure data to the OCD, and arrange for inspection of the well and location.

ENVIROCORP

The cement bond log run on July 20, 1993, from 8100 feet to 6000 feet, shows that good cement bond is present up to 6000 feet. A copy of the log is attached.

The attached Sundry Notice states that on August 26, 1993, the zone from 6868 feet to 7038 feet was perforated, and then fluid was pumped out of the well. As fluid was pumped between August 26, 1993 and September 5, 1993, the volume of fluid produced decreased from 276 barrels to 27 barrels. The ability to pump down the fluid level in the well demonstrates that the zone at 6868 feet to 7038 feet was isolated by cement from any other zones that might have produced fluid while the well was being pumped.

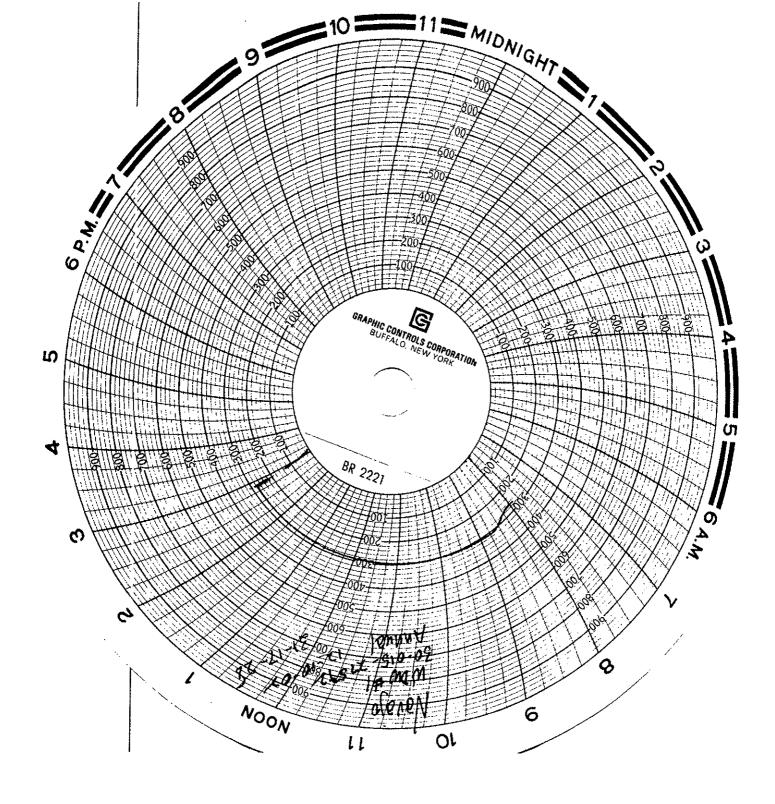
The cement sheath around the long-string casing of Map ID No. 161 extends above the top of the injection zone. Therefore, this wellbore will not provide a pathway for migration of fluids or transmittal of pressure from the injection zone.

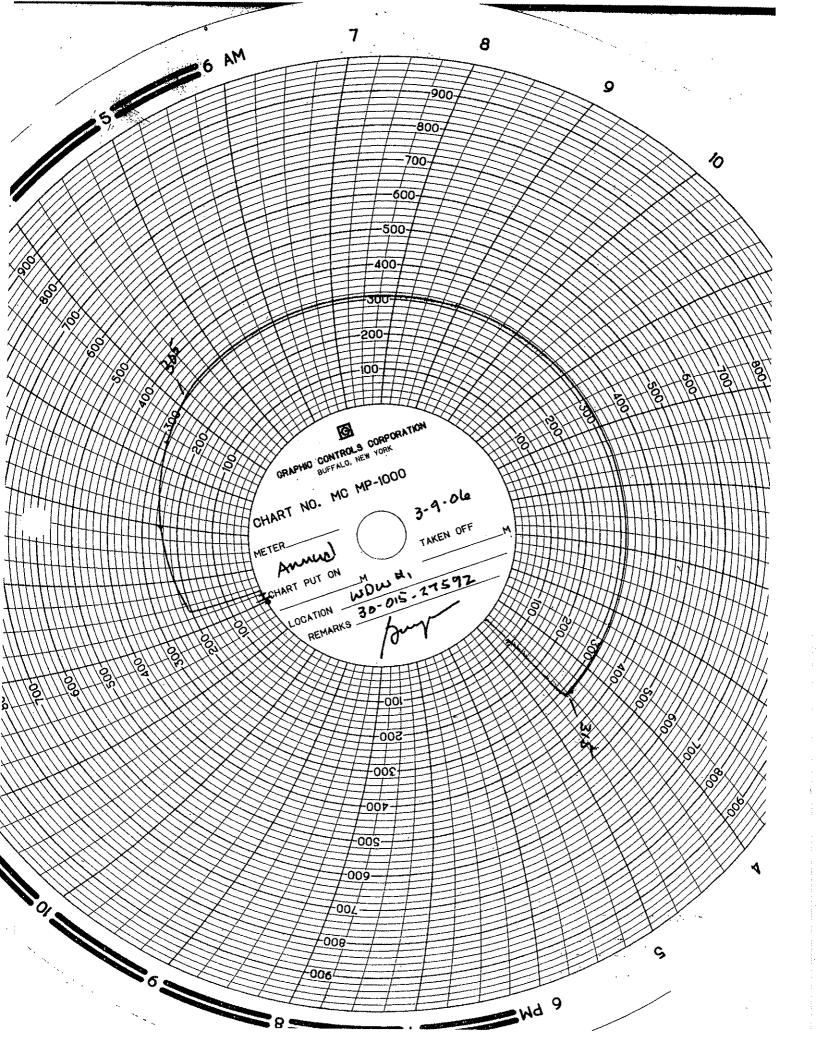
### **REQUEST 6:**

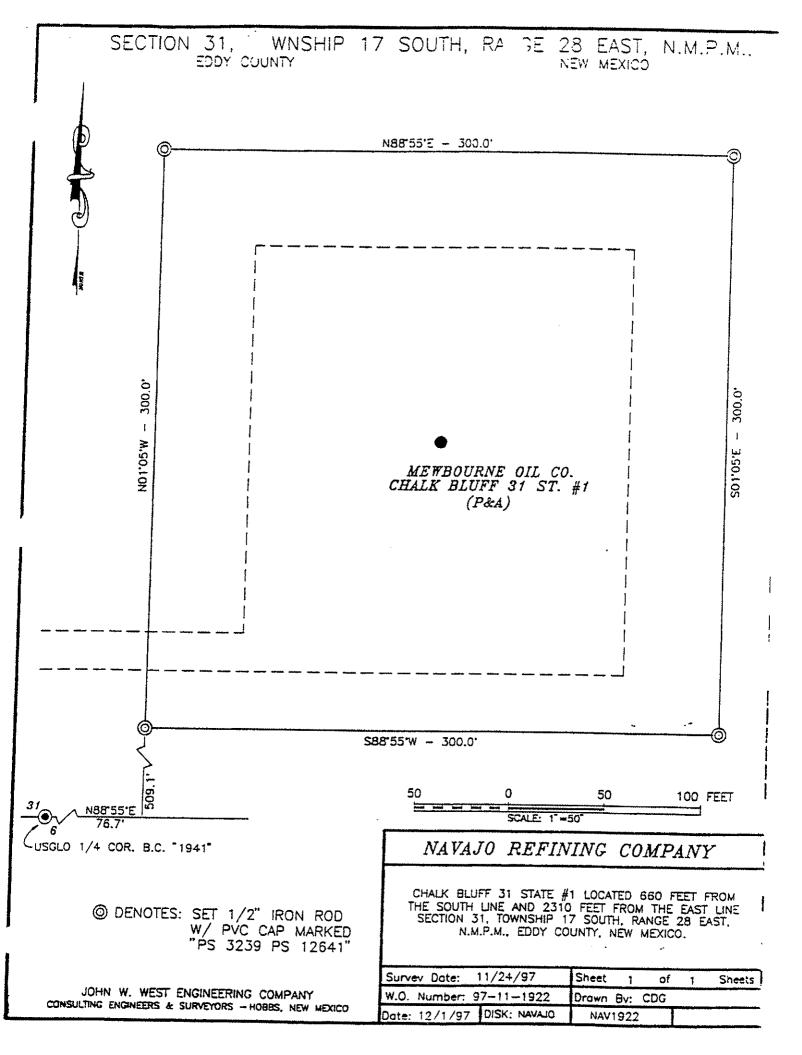
Revise the Closure Plan to state that dry-hole markers will be installed when the wells are plugged.

#### **RESPONSE:**

The Closure Plan (Attachment III-5) has been revised as requested. A replacement page is included.







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

DISTRICT 1 P 90x 1980, Hobbs, NM 88240

P.O. Drawer DD, Artesia, NM \$8210

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

#### State of New Mexico .iergy, Minerals and Natural Resources Depar

#### OIL CONSERVATION DIVISION P.O. Box 2088

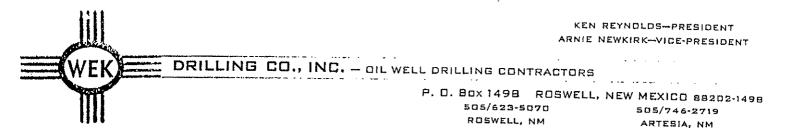
Santa Fe, New Mexico 87504-2088

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator						LCANO					Well No.	
MEWBOUR	NE OIL	COMPA	NY			CHAL	C BIJIFF	31 STAT	T		1	
Unit Letter	Section		Townshi			Range		<u></u>	4	County	£	
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Ground level Elev.		Producin	g Pormatio	1		Pool					Dedicated Acre	ige:
367.8		Morrov	1			Illino	is Camp	Morrow	Nor	•th	320	Acres
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2. If mor	e than one l	ease is ded	icated to th	t well, ou	tline each and	identify the ov	vaenthip ther	eof (both as to	worki	ing interest and i	oyalty).	
3. If more unitization	e than one le tion, force-p	case of diff	erent owne	mhip is d	edicated to the	well, have the	interest of al	ll owners been	000.00	lidated by comm	unitization,	
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lf answer	r is "no" list	the owner	and track o	escription	s which have	actually been o	onsolidated.	(Use reverse s	tide of	<u>.</u>		
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1	Submit to Appropriate District Office State Lease - 6 copies	Enc. oy	State of New M , Minerals and Natural R			Form C-101 0161 7 Revised 1-1-89 8 6
I	Foe Lease - 5 copies <u>DISTRICT I</u> 2.0. Box 1980, Hobbs, NM 1 TRICT II	88240	CONSERVATIC P.O. Box 20 Santa Fe, New Mexico	88	API NO. (assigned by C 30-0/5-27 5. Indicate Type of Les	572
ŗ	J. Drawer DD, Artesia, NM DISTRICT III			1111 2 7 1993		STATE FEE
	000 Rio Brazos Rd., Aztec, I		TO DRILL, DEEPEN, (	O.C.D	B-2071-28	
	APPLICATIC Type of Work:	IN FOR PERMIT	IO DHILL, DEEPEN, I	OR FEUGHACK	7. Lease Name or Unit	
	DRILL DRILL OIL WELL WELL	RE-ENTER	DEEPEN SINGLE	PLUG BACK		"31" State
2	Name of Operator		- <u>- 10</u>		8. Well No.	Ji State
	Mewbourne 0il	Company 🗠			1	
3.	Address of Operator P.O. Box 5270	Habbs New	Mexico 88241		9. Pool name or Wildca Illinois Ca	ump Morrow North
4	Well Location	nobody new			1.1.1.1013 00	and HOLLOW HOLCH
	Unit Letter	: <u>2310</u> Feet F	rom The <u>East</u>	Line and66(	) Feet From The	South Line
	Section 31	Town	hip 17S Ru	nge 28E	NMPM Eddy	
						County
$\overline{/}$			10. Proposed Depth		ormation	12. Rotary or C.T.
1	Elevations (Show whether D		10,400' 4. Kind & Status Flug. Bond	- 15. Drilling Contractor	Morrow	Rotary
13.	3678' GR		Blanket on File	WEK Drlq. Co		Date Work will start ist 1, 1993
17.			OPOSED CASING AN			
-	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	17-1/2"	13-3/8"	<u>48</u> ∉	400'	350	Circulated
	12-1/2"	9-5/8"	36=	2600'	800	Tie back into
	8-3/4"	5-1/2"	<u>ا ا ا</u>	10400'	800	surface 6,000'
BC	P PROGRAM: Hydi inti Schi ser	ril annular p ermediate cas affer LWS or ies from inte	reventor (bag-ty	pe preventor) 9 le-ram hydrauli to total depth.	000 series on su c) 900 series w Rotating head	rface casing to /Hydril 900 , PVT system,
	40 2,60	0 - 2,600'B 0 - 9,500'C 0 - 10,400'C s	resh water w/spu rine water w/pap ut brine w/paper ut brine w/Drisp oda. Wt. 9.2-9.	er for LCM as n for LCM and li ac, starch, sal	eeded and lime me for pH. t gel, soda ash	for pH.
R	ABOVE SPACE DESCRIE	E PROPOSED PROGR	AM: # PROPOSAL IS TO DEEPEN	OR FLUG BACK, GIVE DATA ON	PRESENT PRODUCTIVE ZONE A	
11	sereby certify that the information	above is true and complete				1.1.00 1.000
Sk	ONATURE	1 Vin	<u>~</u> m	Drilling Supe	rintendent	July 22, 1993
n	PE OR PRINT NAME Bil	l Pierce			112	LEPHONE NO.
T) تہ	his space for State Use) TROVED BY, Mark	palin		GEOLOGIST	DA	<u>r 727-93</u>
œ	NDITIONS OF APPROVAL, IF ANY				e NACESTER - 1994) NIX EXTRES - 1994 REFERENCEN	



September 13,1993

Mewbourne Oil Company P.O. Box 5270 Hobbs, N.M. 88241

RE: Chalk Bluff "31" State #1

Gentlemen:

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

390' - 1/2'	° 3988' - 1 1/4°	5729' - 4°	7382° - 2 1/4°
867' - 3/4'	° 4493' - 1 3/4°	5722' - 3 1/4°	7851' - 1 1/4°
1338' - 3/4'	° 4995' - 3 1/4°	5786' - 3 1/2°	8342' - 1 1/2°
1839' - 1 1/4'	° 5120' - 3 3/4°	5879' - 3°	
1988' - 1/2'	° 5215' - 4 1/4°	5974' - 3°	9077' - 1/2°
2201' - 3/49	° 5310' - 4 1/4°	6195' - 3 1/2°	9568' - 1°
2555' - 0°	5403' - 4°	6352' - 3 1/4°	9959' - 1 3/4°
3051' - 1/2°	' 5497' - 4 1/2°	6795' - 2 1/2°	10,200' - 2 3/4° T.D.
3520' - 3/4°	5527' - 4 1/4°	7210' - 2 1/4°	,

Sincerely,

)

Gary W. Chappell Contracts manager

STATE OF NEW MEXICO)

COUNTY OF CHAVES

The foregoing was acknowledged before me this 13th day of September 1993 by Gary W. Chappell.

MY COMMISSION EXPIRES

 $\mathcal{O}$ llas

October 07,1996

NOTARY PUBLIC

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<u>P. C. Box 5270 Hobbs, New Mexico</u> 88241 (505) 393-5905 <u>10. Fedd and Peol, or Exploratory Anta</u> <u>10. Fedd and Peol, or Exploratory Anta</u> <u>10. Fedd and Peol, or Exploratory Anta</u> <u>11. Course or Parato, Same Morry Description</u> <u>12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</u> <u>TYPE OF SUBMISSION</u> <u>TYPE OF ACTION</u> <u>Feddy Co. N.M.</u> <u>12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</u> <u>TYPE OF SUBMISSION</u> <u>TYPE OF ACTION</u> <u>None Contractory of Parato, Same Morry Description</u> <u>Description Program Back</u> <u>Description u>	Hewbourne ()il Concany	the and the second second second second second second second second second second second second second second s	Federal "T" #1
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1) Describe Proposed or Completed Operations (Clearly state all perturent data): and give perturent data: uncluding estimated date of starting and proposed over all to give subsurface locations and measured and true vertical depths for all matters and some perturent data: uncluding estimated date of starting and proposed over the distribution and true vertical depths for all matters and some perturent data: uncluding estimated date of starting and proposed over. If well is discomplished Research and to give subsurface locations and measured and true vertical depths for all matters and some perturent data: uncluding estimated date of starting and proposed over. If well is discomplished data is a discomplished data of starting and proposed over. If well is discomplished data is a discomplished data of the vertical depths for all matters and some perturent data.         07/19/93       Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.         07/22/92       Perf. Cisco Formation (8034'-8042' w/2 SPF & G055'-8060' w/2SPF. Swabbed tested all water.         07/22/93       Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')         07/22/93       Perf. Cisco Formation 7832'-7840' w/2 SPF. Swab tested all water.         07/22/93       Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/32/93       Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7760'-7768')         07/33/93       Perf. Cisco Formation 7665'-7695' w/4 SPF. Swab tested all water.         08/01/93       Perf. Cisco Formation (7685'-7695') w/3000 gal 15% FE acid.         08/06/93       RIH w/tbg. pump to 5033' & started pumping wel	Final Abandonment Notice		
1) Describe Proposed or Completed Operations (Clearly issue all perturent details, and give perturent dets, including estimated date of starting any proposed over three ideations and measured and use vertical depths for all markers and sones perturent to this work." Verball from Adam - BLM.         07/19/93 Set 4" CIBP @ 9950' over Morrow Perfs. (10,008'-10,054') Dump 2 sx. cmt.         07/22/92 Perf. Cisco Formation (8034'-8042' w/2 SPF & D055'-8060' w/2SPF. Swabbed tested all water.         07/22/93 Set cmt. retainer @ 8000'. Pumped 100 sx. cmt. into perfs. (8034'-8060')         07/22/93 Perf. Cisco Formation 7832'-7840' w/2 SPF. Swab tested all water.         07/29/93 Set cmt. retainer @ 7800'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/29/93 Set cmt. retainer @ 780'. Pumped 100 sx. cmt. into perfs. (7832'-7840')         07/29/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         07/29/93 Set cmt. retainer @ 7780'. Pumped 100 sx. cmt. into perfs. (7790'-7798')         07/31/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         07/31/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         07/31/93 Set cmt. retainer @ 7760'-7768' w/2 SPF. Swab tested all water.         08/01/93 Perf. Cisco Formation 7655'-7695' w/4 SPF. Swab tested all water.         08/01/93 Perf. Cisco Formation (7685'-7695') w/3000 gal 15% FE acid.         08/04/93 RIH w/tbg. pump to 5033' & started pumping well.         08/04/93 RIH w/tbg. Pump to 5033' & started pumping well.         08/06/93 1200 BWPD No oil.		[""") - <del>-</del>	
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Signed	07/19/93 Set 4" CIBP @ 9950' c 07/21/93 Set 5-1/2" CIBP @ 904 07/22/92 Perf. Cisco Formation all water. 07/24/93 Set cmt. retainer @ 8 07/25/93 Perf. Cisco Formation 07/27/93 Set cmt. retainer @ 7 07/28/93 Perf. Cisco Formation 07/29/93 Set cmt. retainer @ 7 07/30/93 Perf. Cisco Formation 07/31/93 Set cmt. retainer @ 7 08/01/93 Perf. Cisco Formation 08/03/93 Acidized Cisco Formation 08/03/93 RIH w/tbg. pump to 503 08/05/93 1100 BWPD No oil.	Verball ver Morrow Perfs. (10,008'-10,054') 10' @ top of liner. Dumped 4 sx. cmt. 1 (8034'-8042' w/2 SPF & 8055'-8060' w, 000'. Pumped 100 sx. cmt. into perfs. 7832'-7840' w/2 SPF. Swab tested all 820'. Pumped 100 sx. cmt. into perfs. 7790'-7798' w/2 SPF. Swab tested all 780'. Pumped 100 sx. cmt. into perfs. 7760'-7768' w/2 SPF. Swab tested all 745'. Pumped 100 sx. cmt. into perfs. 7685'-7695' w/4 SPF. Swab tested wath 90 (7685'-7695') w/3000 asl 155'	from Adam - BLM. Dump 2 sx. cmt. /2SPF. Swabbed tested (8034'-8060') water. (7832'-7840') water. (7790'-7798') water. (7760'-7768')
(This space for Federal or State office use)          Approved by	A State Marine	Time Engineer	
Tide Date			Date AUGUST 20, 1993
	Approved by	Tide	Date

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# 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 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 ter inducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true ve 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 FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

07001

## Southeastern New Mexico

## Northwestern New Mexico

	T. Canyon0702	T. Ojo Alamo	T. Penn. "B"	
	. T. Strawn9016'		T. Penn. "C"	
		_ T. Pictured Cliffs	T. Penn. "D"	
506'	T. Miss	_ T. Cliff House	T. Leadville	
<u>596 '</u>	T. Devonian	_ T. Menefee		
1176'	T. Silurian	_ T. Point Lookout	T. Elbert	
14621	T. Montoya	_ T. Mancos	T. McCracken	
1958'	T. Simpson	T. Gallup		
		Base Greenhorn	T. Granite	
	T. Ellenburger	T. Dakota		
	T. Gr. Wash		T.	
	T. Delaware Sand		T	
	T. Bone Springs	T. Entrada	T	
53981		T. Wingate	T	
65931	Т	T. Chinle	Т	
	Т	T. Permain	Т	
7816'	т	T. Penn "A"	T	
	506' 596' 1176' 1462' 1958' 3386' 5398' 6593'	T. Strawn       9016'         T. Strawn       9573'         506'       T. Miss         596'       T. Devonian         1176'       T. Silurian         1462'       T. Montoya         1958'       T. Simpson         3386'       T. McKee         T. Gr. Wash       T. Delaware Sand         T. Bone Springs       5398'         5398'       T. MOTYOW         10016'       T.	T. Strawn       9016'       T. Kirtland-Fruitland         T. Atoka       9573'       T. Pictured Cliffs         506'       T. Miss       T. Cliff House         596'       T. Devonian       T. Menefee         1176'       T. Silurian       T. Point Lookout         1462'       T. Montoya       T. Mancos         1958'       T. Simpson       T. Gallup         3386'       T. McKee       Base Greenhorn         T. Blenburger       T. Dakota       T. Morrison         T. Delaware Sand       T. Todilto       T. Entrada         5398'       T. Storrow       10016'       T. Wingate         5398'       T.       T. Chinle       T. Permain	T. Strawn       9016'       T. Kirtland-Fruitland       T. Penn. "C"

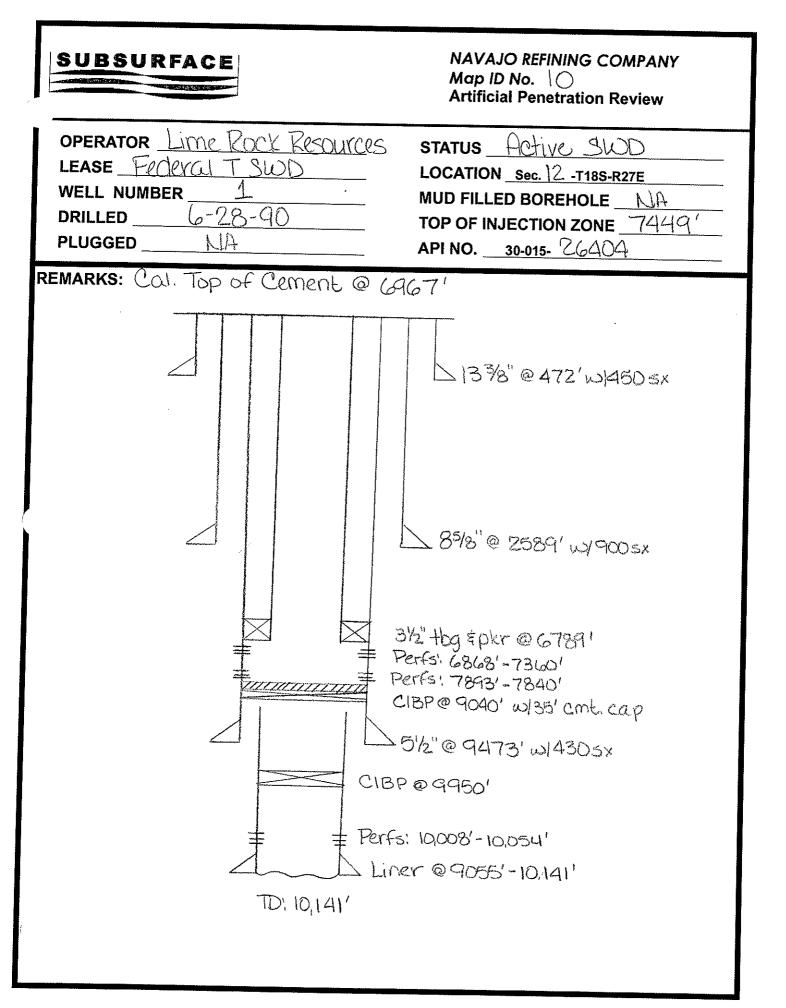
#### **OIL OR GAS SANDS OR ZONES**

Nr	* fromto	No. 3, from
N	fromtoto	No. 4, fromto

#### **IMPORTANT WATER SANDS**

# LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness in Feet	Lithology	From	То	Thickness in Feet	Lithology
0'	400'	400'	Surface rock, Anhydrite				
400'	6900	6500'	Dolomite, Chert, Sandsto	e, Sha	le		
6900'	7800'	900'	Limestone, Shale, Chert				
7800'	8500	700°	Dolomite, Shale				
8500'	9600'	1100'	Limestone, Shale				
9600'	10200	600'	Limestone, Sandstone, Ch	rt, &	Shale		
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# Map ID 10

# N. T. DOM 211/1

1. 1000	
Queen	1219
Grayburg	5151
San Andres	2063
Glorieta	3680
Abu	
wolfcamp	
Penn	8160
Strewn	r110
Aloka	9520
Morrow	9765

30-015-26-104 -

Ognide 14744 prop - 7899 pool - 18890 - n. Allinoi - Camp Marcus

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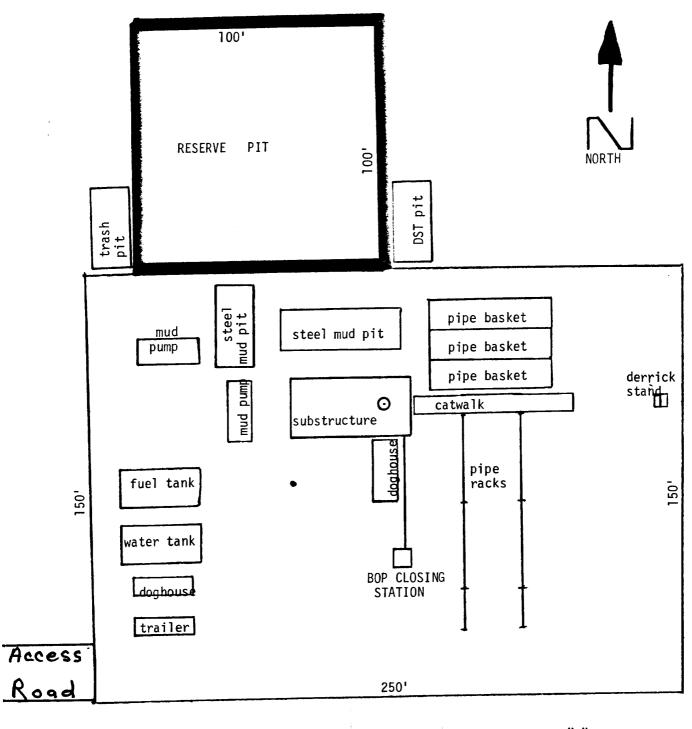
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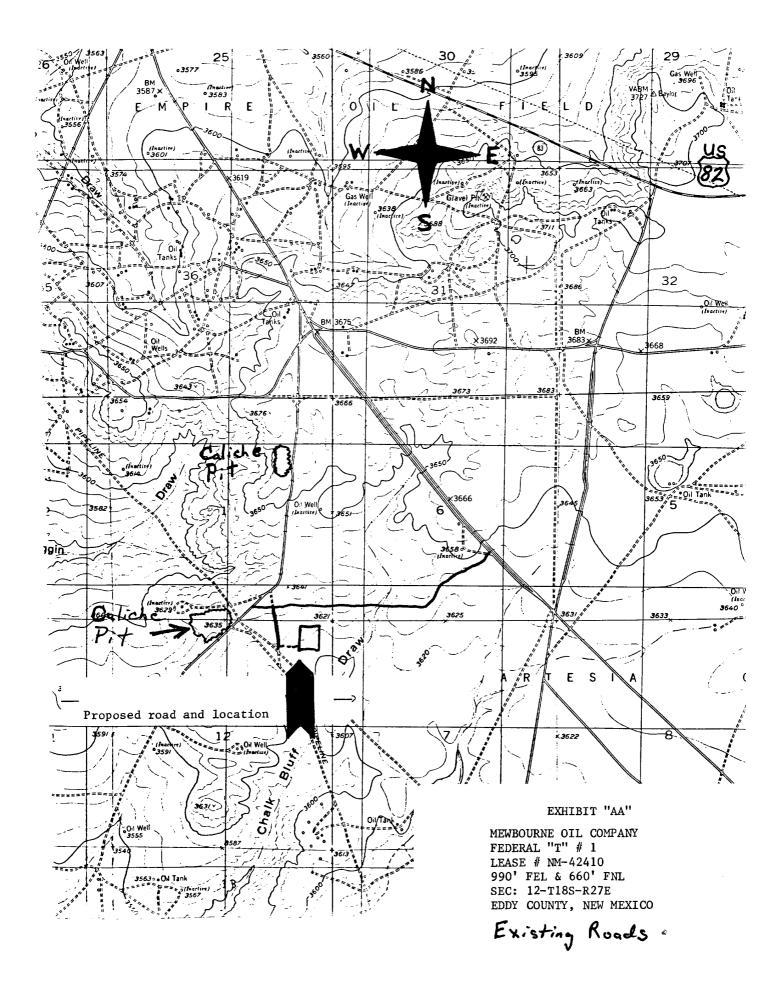
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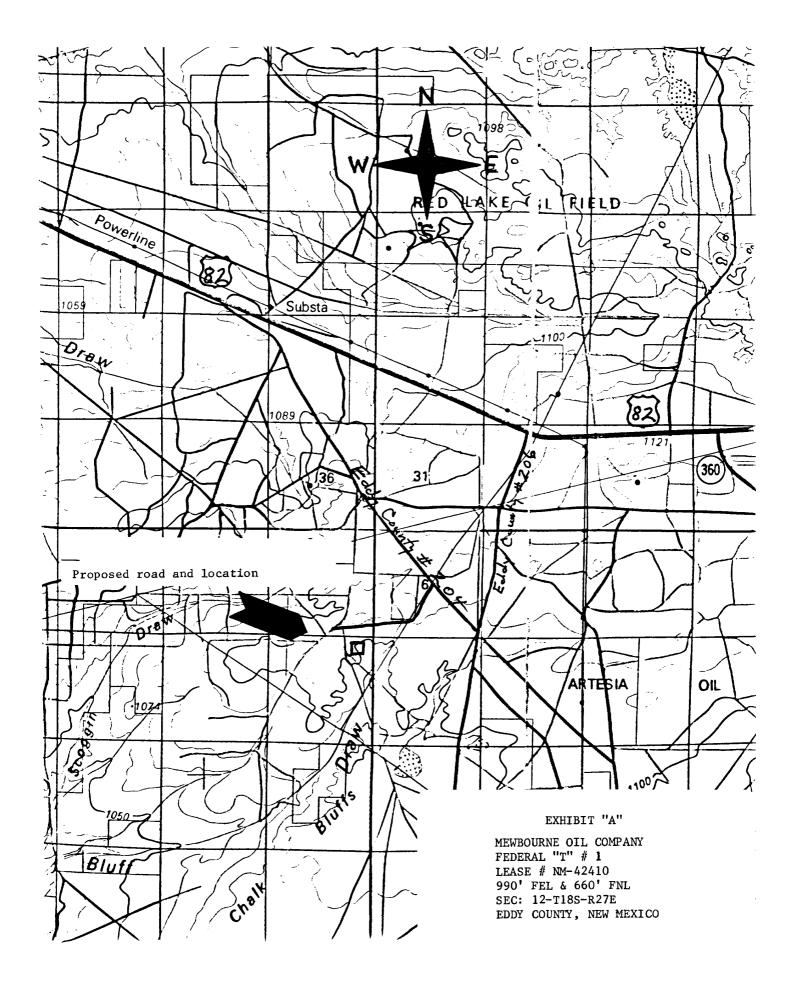


# EXHIBIT "C"

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

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		EXHIBIT "B" MEWBOURNE OIL COMPANY FEDERAL "T" # 1 LEASE # NM-42410 990' FEL & 660' FNL SEC.12-T18S-R27E
	朝朝時間。這個時期的日本目的目標	EDDY COUNTY, 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 abovedescribed unorthodox gas well location is hereby approved.

Sincerely,

William J. LeMa 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

For W.H. Cravey re

Date

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	<b>7</b> 740'
San Anres	2100'	Canyon	8350'
Glorieta	3720'	Strawn	8900 <b>'</b>
Tubb	4930'	Atoka	9500 <b>'</b>
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.

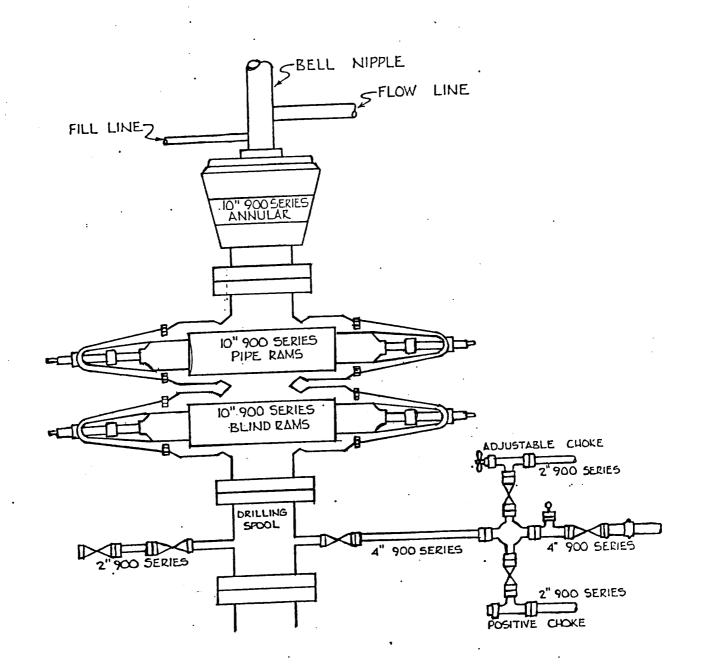
## 6. METHODS OF HANDLING WASTE DISPOSAL:

- 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 DISTRICT 1		OIL	Minerals a	te of New Mex and Natural Res CRVATIO P.O. Box 2088	ources Depai N DIVISIO 8	nt DN RE	JUN 15	Form C-102 Revised 1-1-89	
<u>DISTRICT I</u> P.O. Box 1980, Hobbs, N	VM 88240	9	Santa Fe, N	New Mexico	37504-2088			<b>.</b> .	
DISTRICT II P.O. Drawer DD, Artesia	NM 88210						JUN I	DIFFICE	
DISTRICT III 1000 Rio Brazos Rd., Az		WELL LOC All Distan	CATION AI	ND ACREAG	E DEDICATIO	IN PLAT	ARTESI	NOFFICE	
Operator MEWBC	OURNE OIL	COMPANY		FEDERA	L "T"		County	1	
Unit Lotter Se	1.2	Township 18 Sc	wth	<b>Rage</b> 27	East	NMPM	Eddy	·	
Actual Pootage Location	<u>12</u> a of Well:		/					line	
660 f	et from the NO	rth Formation	line and	990 Pool		feet from	te East	Dedicated Acreage:	_
Ground level Elev. 3618				North I	<u>llinois Ca</u>	mp <u>Mor</u> r	ow	320 Acres	
unitizatio	han one lease of diff n, force-pooling, etc Yes "no" list the owned	17 1. 11 - 11	mun in Punnt to	une of comeolidatio				minitization,	
this form if	neccessary.	o the well matil all	interests have	been consolidated	(by communitizatio	e, unitizatio	s, forced-poolis	g, or otherwise)	
No allowabi or until a no	le will be assigned t m-standard unit, elis	minating such inter	nat, has been a	pproved by the Di	vision.			TOR CERTIFICATIO	
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					Ĩ		contained here best of my know Signatury Printed Name W.H. O Position Distr Company Mewbor Date April SURVE I hereby cert on this plas actual survey supervison, correct to the belief.	Cravey Cravey ict Supt. Urne Oil Compa 12, 1990 YOR CERTIFICAT ify that the well location was platted from field ye made by me or a and that the same is the best of my knowled od	
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Form 3160-3 (November 1983) (formerly 9-331C)	DEPARTMENT BUREAU OF	LAND MANAGEM	SUBB 68210 (of ERIOR IENT	IIT IN 1RI her instruct reverse sid	ons on e)	30 - 0/5 Form approved. Budget Bureau N Expires August 3 5. LEASE DESIGNATION A NM 42410 6. IF INDIAN, ALLOTTER	o. 1004–0136 1, 1985 ND SERIAL NO.	j. ju
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	LL XXX	DEEPEN 🗌	PL	UG BAC	< 🗆	7. UNIT AGREEMENT NA	MB	
	BLL XK OTHER		SINGLE	MULTIPLI ZONE		8. FARM OR LEASE NAME		
2. NAME OF OPERATOR MEWBOURNE OI			REC	ENED		FEDERAL "T" 9. WELL NO.		
3. ADDRESS OF OPERATOR				UN 15'9	Ø	10. FIELD AND POOL, OF	WILDCAT	
4. LOCATION OF WELL (R.	bbs, New Mexico	in accordance with an	ny State requirem	(****	-	North Illinois		w
At surïa <b>ce</b>	660' FNL	& 990' FEL		C.C. ARTESIA	D. OFFICE	11. SEC., T., R., M., OR BI AND SUBVEY OR ARE	LK.	
At proposed prod. zon	• SAME	VI	r, ff	ARTESIA	0	12-T18S-R27E		
	AND DIRECTION FROM NEAD					12. COUNTY OR PARISH	18. STATE	
8 miles sou 15. DISTANCE FROM PROPO	theast of Artes	sia, New Mexic	CO	LEASE !	17. NO. (	EDDY	N. MEX.	
LOCATION TO NEAREST PROPERTY OR LEASE L	r .1N <b>e, ft. /</b>	560'	320		TO T	HIS WELL 320		
(Also to nearest drig 18. DISTANCE FROM PROF TO NEAREST WELL, D	OSED LOCATION*	19	. PROPOSED DEPTH		20. ROTA	RY OR CABLE TOOLS		
OR APPLIED FOR, ON THE	is lease, FT.		10,300'		Rc	22. APPROX. DATE WOR	E WILL START*	
21. ELEVATIONS (Show when 3618.9'	GR					Upon BLM app	-	
23.		PROPOSED CASING	AND CEMENTING	PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING	DEPTH		QUANTITY OF CEMEN		
17 <sup>1</sup> 2"	13 3/8"	<u>61#</u> 24# & 32#	<u>450'-</u> 2600'			sks. Class C	<u>Circulated</u>	-
<u> </u>	<u>8 5/8"</u> 5½"	17# & 20#	10,300			sks. Class H	- 01	irf.
Mud Program : 0 - 450' Spud mu 450' - 2600' Fre 2600' -8500' Cu 8500' - 10,300'	esh water gel an t brine with lin Cut brine with	nd lime. LCM ne for pH con Drispac, sal	as needed. trol. WT. t gel, lime	9.2 - 9 , soda	.6ppg ash, a	and starchi 👪 nglv if abnorma	as needed.	s are
BOP PROGRAM:						Nija	lim + AP)	Г
900 series BOP an	nd Hydril on 13	3/8" surface	casing and	i on 8 S	5/8" i	ntermediate cas	sing.	
Gas is not dedica	ated							
	r PROPOSED PROGRAM : If drill or deepen directions	proposal is to deepen ally, give pertinent da	or plug back, give ata on subsurface	e data on pr locations an	esent pro d measure	ductive zone and propose ed and true vertical depth	d new productive s. Give blowout	
24 For W.H. Crav								
SIGNED	Belle	TITLE TITLE	District	Superi	ntende	nt5/1	8/90	
(This space for Fede	eral or State office use)							
PERMIT NO.			APPROVAL DAT	re				
	Wig. Signad by Richa			,		DATE	3 90	
SPECIAL S	REQUIREMENTS AND TIPULATIONS	*Can Instructi	2785 A	e Side		90		
Title 18 U.S.C. Section	n 1001, makes it a crim fictitious or fraudule	e for any person kn nt statements or re	owingly and will presentations as	lfully to ma to any ma	ake to an tter with:	y department or agend in its jurisdiction.	y or the	

#### INSTRUCTIONS

GENERAL: 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 number of copies to be submitted, particularly with regard to local, area, or regional procodures and precises. Finder 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 if and should be described in accordance with Federal requirements. Consult local State and should be described in accordance with Federal requirements.

or Federal office for specific instructions. ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads 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.

#### NOTICE

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.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

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 equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed 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 operation on an oil and gas lesse.

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

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 operations on an oil and gas lease.

> 10 mm (1997) 1

Form 31605 (November 1983) (Formerly 9331)	LTED STATES DEPARTMENT OF THE INTER		5. LEASE DESIGNATION AND BEHIAL SU
	BUREAU OF LAND MANAGEME	NI	NM-42410
SUP (Do not use the	NDRY NOTICES AND REPORTS for for proposals to drill or to deepen or plug Use "APPLICATION FOR PERMIT" for such	ON WELLS	10 IN INDIAN, ALLOTTNE ON THINE NAME
OIL GAS WELL WELL		GAR ARESAND	T UNIT AGREEMENT NAME
Mewbourne (		(CCEIVED)	8. FAUN OR LEASE NAME FEDERAL "TI"
P. O. BOX 7	7698 Tuler Texas 75711		B. WELL NO.
. LOCATION OF WELL ( See also space 17 be	Report location clearly and in accordance with an low.)	y State requirements 8'90	10. VIELD AND POOL, OR WILDCAT
	)' FNL & 990' FEL	(05C ) 1 0 0 0 0	North Illinois Camp Morr
000	FNL G 990. FEL	ARUSSIA, OPTICE	BURVEY OR ANDA
4. PERMIT NO.	15. ELEVATIONS (Show whether I		12-185-27E
API #30-015	1		Eddy N.M.
<b>G</b> .	Check Appropriate Box To Indicate	Nature of Notice, Report, or C	Other Data
	NOTICE OF INTENTION TO :	SUBSEQU	DENT REPORT OF :
TEST WATER SHUT-C FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) (Other) (Describe Proposed over, 10 proposed work, 10	MULTIPLE COMPLETE     ABANDON*     CHANGE PLANE     CHANGE PLANE     Generations: (Clearly state all pertine     (well is directionally drilled, give subsurface loc	impletion or Recompt	of multiple completion on Well etion Report and Log form.)
	Spud at 12:15 PM 6/28/90.		
w C	Ran 15 joints 13-3/8" 68# with 100 sxs of Class "C" Celloseal + 5#/Sx Gilsoni	Thixad containing	3% CaCl <sub>2</sub> + $1/2#/sx$
c f a	containing 6% gel + 1/2# ( Followed by 150 sxs of Cla t 6:12 AM 6/29/90. Circu n collar of first joint of	Celloseal + 5#/sx. ass "C" Neet + 3% C ulated 50 sxs of ce	Gilsonite + 3% CaCl <sub>2</sub> CaCl <sub>2</sub> . Plug down ement. Insert float
c f a i 7/05/90 - R W C P	containing 6% gel + 1/2# ( Collowed by 150 sxs of Cla it 6:12 AM 6/29/90. Circu	Celloseal + 5#/sx. ass "C" Neet + 3% C ulated 50 sxs of ce did not hole. Left # 8rd ST&C New LS s ment + 6.00% gel + lowed by 250 sxs Cl 300# at 6:20 PM 7/0	Gilsonite + 3% CaCl <sub>2</sub> CaCl <sub>2</sub> . Plug down ment. Insert float casing SI with 300#, eet at 2589' cemented 5# Gilsonite + 0.5# ass "C" + 2% CaCl_2
c f a i 7/05/90 - R W C P	containing 6% gel + 1/2# ( followed by 150 sxs of Cla at 6:12 AM 6/29/90. Circu n collar of first joint of an 58 jts 8-5/8" J-55 324 with 650 sxs Class "C" cer fello-seal + 3% CaCl <sub>2</sub> foll Plug down to 2543' with 13	Celloseal + 5#/sx. ass "C" Neet + 3% C ulated 50 sxs of ce did not hole. Left # 8rd ST&C New LS s ment + 6.00% gel + lowed by 250 sxs Cl 300# at 6:20 PM 7/0 d 50 sxs.	Gilsonite + 3% CaCl <sub>2</sub> CaCl <sub>2</sub> . Plug down ment. Insert float casing SI with 300#, set at 2589' cemented 5# Gilsonite + 0.5# ass "C" + 2% CaCl <sub>2</sub> . 04/90 with full return PLED FOR THE 260
c f a i 7/05/90 - R W C P	containing 6% gel + 1/2# ( followed by 150 sxs of Cla at 6:12 AM 6/29/90. Circu n collar of first joint of an 58 jts 8-5/8" J-55 324 with 650 sxs Class "C" cer fello-seal + 3% CaCl <sub>2</sub> foll Plug down to 2543' with 13	Celloseal + 5#/sx. ass "C" Neet + 3% C ulated 50 sxs of ce did not hole. Left # 8rd ST&C New LS s ment + 6.00% gel + lowed by 250 sxs Cl 300# at 6:20 PM 7/0 d 50 sxs.	Gilsonite + 3% CaCl <sub>2</sub> CaCl <sub>2</sub> . Plug down ment. Insert float casing SI with 300# set at 2589' cemented 5# Gilsonite + 0.5# ass "C" + 2% CaCl <sub>2</sub> . 04/90 with full return
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# \*See Instructions on Reverse Side

Title 15 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 interfact.

Ferm 31605 (National June						Fo	in approve	.t.	- $O$
(November 198 (Formerly 9–3.	aí) DEPAF	UN ED STA RTMENT OF TH REAU OF LAND MA	HE INTERI	OR verse side	IN TRB ACAT netructions on (	E. Ex 5. LEASE	dget Burca pires Augus besignatio -42410	a No. st 31,	1985
(Do not	SUNDRY N	OTICES AND R	EPORTS C	ON WELL			JIAN, ALLOTT	RE OR 1	TRIBE NAS
OIL UIL U	GAS WELL X OTHE	R /				7. UNIT	GREEMENT N	4 31 E	
	rne Oil Co	mpany		••••• ••••••	SEP 13 '90		DERAL	<u>и</u> г''	
. LOCATION OF See also space	BOX 7698,	Tyler, Texas			O. C. D. ARTESIA, OFFICE		AND POOL, C		
At surface	660' FNL	& 990' FEL				11. SEC., SUI	linois T., H., M., OH VEY OK ALLO -18S-2	BLK. AP	
API #30	-015-26404	15. ELEVATIONS (S	how whether DF. 3618.9'		•	12. COUN Ed	ту ов рактял dy		ытате I.M.
3.		Appropriate Box To	o Indicate No	ature of Noti	ce, Report, or	Other Date	3		
TEST WATER	NOTICE OF IN		·		80888 (***	UENT REPORT	F OF :		
FRACTURE TH SHOOT OR AC REPAIR WELL (Other)	REAT	PULL OR ALTER COMPLETE MULTIPLE COMPLETE ABANDON* CHANGE PLANS OPERATIONS (Clearly Sta ectionally drifted, give a		SHOOTING (Other) (No Com	TREATMENT OR ACIDIZING TE: Report result pletion or Recom	pletion Repor	t and Log fo	ASING NT* On We rm.)	
nent to this	vork. If well is dire swork.)*	ectionally drilled, give s	ubsurface locatio	details, and glo ous and measure	e pertinent dates ed and true vertic	ul depths fo	all marker		oues per
nent to this	Ran 5-1/2 Casing se 5# salt +	rectionally drilled, give a " casing as t at 9473', 浅# Cellosea low or vacuu	follows: cemented 1. Over	237 j <sup>.</sup> 1 with 4	ts N-80, 30 sxs C1	17#, L' ass "H'	Γ&C Use '' + .7	ed CF-	14 +
/12/90 <b>-</b>	Ran 5-1/2 Casing se 5# salt + No back f Ran 4" lin 500 gallor	" casing as t at 9473', ¼# Cellosea low or vacuu ner set at 1 ns Sure Bone with 80 sack	follows: cemented 1. Over m. 0,140' w , follow	237 j with 4 displace with top wed by 5	ts N-80, 30 sxs Cl ed 1 bbl of liner bbl fres	17#, L' ass "H' withou at 90 h wate:	F&C Use ' + .7 t bump: 55'. 1 r. Spa	ed CF- ing Pump	14 + plug ed and
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1 hereby control	Ran 5-1/2 Casing se 5# salt + No back f Ran 4" lin 500 gallon cemented y down at 1	" casing as t at 9473', <sup>1</sup> / <sub>4</sub> # Cellosea low or vacuu ner set at 1 ns Sure Bone with 80 sack 1:30 AM.	follows: cemented 1. Over m. 0,140' w , follow s Class	237 j l with 4 displace with top wed by 5 "H" with MEP 1	ts N-80, 30 sxs Cl ed 1 bbl of liner bbl fres h 1% CF-1	17#, L' ass "H' withou at 90 h wate: 4. Lin	r C Use + .7 t bump: 55'. ] r. Spaner wip	ed CF- ing Pump aced ber	14 + plug ed and plug

# \*See Instructions on Reverse Side

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érm 31605 November 1983)	UI ED STATES	SUBMIT IN TRI CATE	Form approved. Budget Burcau No. 1004–0135 Expires August 31, 1985
Formerly 9–331)	BUREAU OF LAND MANAGEME	RIUR verse side)	5. LEASE DESIGNATION AND SEBIAL NO
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	JNDRY NOTICES AND REPORTS bis form for proposals to drill or to deepen or pluj Use "APPLICATION FOR PERMIT—" for such		*an
OIL GAB WELL WEL NAME OF OPERATOR	/		PDUNIT AGREEMENT NAME
	Oil Company		FEDERAL "T"
D O Box	7698, Tyler, Texas 75711	<b>OCT</b> 17 '90	B. WELL NO.
LOCATION OF WELL See also space 17 1	(Report location clearly and in accordance with an	A	10. FIELD AND POOL, OR WILDCAT
At surface	60' FNL & 990' FEL	ARESIA, OFFICE	N. Illinois Camp Morrow
0	OU. FNL G 990. FEL		11. SEC., T., R., M., OR BLE. AND BURVEY OR ARMA
			12-18S-27E
API #30-0	15-26404 15. ELEVATIONS (Show whether 3618.		12. COUNTY OR PARISH 13. STATE Eddy N.M.
B.	Check Appropriate Box To Indicate	Nature of Notice, Report, or C	Other Data
	NOTICE OF INTENTION TO :	BUBSEQ	UENT REPORT OF :
TEST WATER SHU FRACTUBE TREAT	T-OFF PULL OR ALTER CASING	WATER SHUT-OFF FRACTURE TREATMENT	BEPAIRING WELL
SHOOT OR ACIDIZE		SHOOTING OR ACIDIZING	ALTERING CASING
REPAIR WELL (Other)	CHANGE PLANS	(Other)	of multiple completion on Well
	O OR COMPLETED OPERATIONS (Clearly state all pertin If well is directionally drilled, give subsurface los $k_{*}$ ) •	' Completion or Recomp	letion Report and Log form )
	erforated Morrow 10,008-0 otal 48 holes 24'.	14', 12 holes; 10,0	038-054', 36 holes.
с w с 4	alliburton broke down per ontaining 1000 SCF/Bbl N <sub>2</sub> ith 23 bbls 2% KCL water asing to 1000#. Had good 580#,In 10 mins, 4300#, I .7 BPM. Avg 5850#. Avg Ra	carrying 96 ball s containing 1000 SCF ball action. ISDP 5 n 15 mins, 4130#. M	sealers and flushed F/Bbl N <sub>2</sub> . Pressured 5050#.In 5 mins., Max 6000#. Max Rate
+ t m	alliburton frac'd Morrow 87 tons of CO <sub>2</sub> carrying o 2000#. ISDP <sup>2</sup> 5340#. In ins 4850#. Avg 9500#. Avg 11 bbls load to recover.	11,500# 20/40 Inter 5 mins 5080#, in 1	prop. Pressured annul 0 mins 4950#, in 15
		Ace	
~		• •	
$\square$			•
Th	at the foreguing infirme and entrect		
signed	In hompon TITLE EI	ngr, Oprns, Secreta	ту <sub>Дати</sub> 10/02/90
197		ngr. Oprns. Secreta	ту рати 10/02/90

\*See Instructions on Reverse Side

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.

KEN REYNOLDS-PRESIDENT ARNIE NEWKIRK-VICE-PRESIDENT DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS P. D. Box 1498 ROSWELL, NEW MEXICO 88202-1498 505/623-5070 505/746-2719 BTESIA, NM ROSWELL, NM JAN 31 1991 O.C.D. ARTESIA, OFFICE 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.  $4062' - \frac{1}{2}^{\circ}$   $4560' - \frac{1}{2}^{\circ}$   $5048' - 0^{\circ}$ 472' - ¼° 6841' - 3<sup>1</sup>/<sub>4</sub>°  $840' - 1^{\circ}$   $1380' - \frac{1}{2}^{\circ}$   $1759' - \frac{1}{4}^{\circ}$ 6934' - 3<sup>1</sup>/<sub>2</sub>° 7026' - 2 3/4° 5546' - 3/4° 7148' - 2 3/4° 7272' - 2° 5950' - 1<sup>1</sup>/<sub>4</sub>° 2253' - 3/4° 8137' - 2 ° 6479' - 3 3/4° 2589' - 1/4 ° 8815' - 2 °  $6564' - 4\frac{1}{2}^{\circ}$ 3068' - 1/2 ° 9470' - 1 3/4° 10141' - TD 6626' - 440 3567' - 1/4 ° Sincerely, Kuik Kurtel 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:

N やしつ Publig

10-07-1992

SHIPPED AUG 3 1 1990

N. M. UR. Guller Contention					
Form 3160-4 P. O. BOX 11 33 (November 1988) EDS, NEW MEXUNI (formerly 9-330			IN DUPLICAT	Budge	approved. t Bureau No. 1004–0137 ss August 31, 1985
(formerly 9-330)	IT OF THE IN		(See of struction	her in-	
	F LAND MANAGEME		reverse		SIGNATION AND SERIAL NO.
	······			6. IF INDIAN	, ALLOTTRE OR TRIBE NAME
WELL COMPLETION OR R		REPORT AT	ND LQG		
ia. TYPE OF WELL:     OIL       b. TYPE OF COMPLETION:	GAS WELL X DRY	Massac River	THIN	7. UNIT AGR	EEMENT NAMB
NEW WORK DEEP	PLUG DIFF.	Other	LIVED	S. FARM OR	LEASIC NAMIO
2. NAME OF OPERATOR	7	OCT.			AL "T"
Mewbourne Oil Company	V		<u>, n 1390 –</u>	9. WELL NO.	
3. ADDRESS OF OPERATOR P. O. Box 7698, Tyler	. Texas 75711	C DYST	Ŭ	10. FIELD AT	ND POOL, OR WILDCAT
4. LOCATION OF WELL (Report location clearly	and in accorderse wither	ni State requirem	ents) *	North	Illinois Camp Morro
4. LOCATION OF WELL (Report location clearly At surface 660' FNL & 990	' FEL	Noad N	00100	11. SEC., T., OR AREA	R., M., ON BLOCK AND BURVEY
At top prod. interval reported below	SEP 2 4 19	991 Wev	V WICH	12-18	S-27E
At total depth Same	O, C. D.				
	ANTESTANOPP	ICI DAT	TE ISSUED	12. COUNTY PARISH	OR 13. STATE
	API #30-0			Eddy	<u>N.M.</u>
	17. DATE COMPL. (Ready 9/13/90			, нкв. кт. <b>св. ет</b> с.)• DF 3632 <b>°,</b> G	19. ELEV. CASINGHBAD
6/28/90 8/25/90 20. TOTAL DEFTH, MD A TVD 21. PLUG, BACK T.	D. MD & TVD   22. IF MI	LTIPLE COMPL.	23. INTER	RVALS ROTARY TOO	DLS CABLE TOOLS
	0 1 HOW	MANY	· DRILI	X	
10,141' 10,10 24. PRODUCING INTERVAL(S). OF THIS COMPLET	ION-TOP, BOTTOM, NAME	(MD AND TVD)*			25. WAS DIRECTIONAL SURVEY MADE
10,008-054' Morrow			Ah		Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN	······································				27. WAS WELL CORED
DLL-MGRD, SDL-DSN				1	No
28. CASING SIZE   WEIGHT, LB./FT.   I	CASING RECORD (R	eport all strings se tole size		ENTING RECORD	AMOUNT PULLED
13-3/8" 68#		7-1/2"	450 sac	cks - Circ	None
8-5/8" 32#		2-1/4"		cks - Circ	None
5-1/2" 17#	94731	7-7/8"	430 sad	cks - Circ	None
29. LINER I	RECORD	•	30.	TUBING REC	PORD
SIZE TOP (MD) BOTTOM	(MD) SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (I	MD) PACKER SET (MD)
4" 9055' 10,1	41' 80		2-3/8	9842'	8888'
31. PERFORATION RECORD (Interval, size and no	umber)			PRACTURE CEMEN	IN SOUPERE ERG
		S2. DEPTH INTER		FRACTURE, CEMEN	ND OF MATERIAL USED
10,008-014', 12 holes 10,038-054', 36 holes	24'	10,008-0			acid. Frac'd w/
10,030-034, 50 10103	)				KCL wtr + 87 tons
				$CO_2 + 11,500 \#$	20/40 Interprop.
33.•	PR	ODUCTION			
	ETHOD (Flowing, gas lift,	pumping-size an	d type of pum		. STATUS (Producing or ut-in)
9/15/90	Flowing			Shu	it-in WOPL
	KE SIZE PROD'N. FOR 764"	OIL-BBL.	923	1	
	CULATED 01LBBL.	GASMC		WATERBBL.	923:1
	1 BC	923		2	58.0 <sup>0</sup>
34. DISPOSITION OF GAS (Sold, used for fuel, ven	ted, etc.)	<u>-</u>	<u></u>	TEST WITH	ISSED BY
Vented 35. LIST OF ATTACHMENTS		· · · · · · · · · · · · · · · · · · ·		Eric	Nelson
Logs	,				
36. I hereby pertify that the foregoing and at	ttached information is con	nplete and correct	as determine	d from all available	records
SIGNED Deylow Thomas	nor TITLE	Engr. Opt	rns. Se	cretary DAT	TE10/25/90
*(See Arstru	ctions and Spaces for	Additional Do	ata on Reve	rse Side)	· · · ·

Fitle 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.

<ul> <li>Tower, time tool open, flowing and shurth pressures, and back the following and shurth pressures, and back the</li></ul>	andstone       xwms         bascentrow, covrewrs, Erc.       xwms         candstone       ytates         andstone       ytates         points.       flow         points.       flow         cushin.       flow         couting fluid.       flow         flow       flow         flow       flow         fl	<ul> <li>A DESCRIPTION, CONTENT, ETC.</li> <li>NAME</li> <li>Sandstone</li> /ul>	GEOLOGIC MARKERS	TOP	MEAS. DEPTH VERT. DEPTH	4761	1218	1572° 2072°	4824	6016'	6716° 7682°	8912'	9513'	96281	98281	9965	10104'	 	 	 	
<pre>shion used, time tool open, flowing and shurth pressures, and</pre>	acrrow       Description used, time tool open, flowing and sturin pressures, and a sorrow         Borrow       Description, contents, ETC.         1556'       Sandstone         9575'       Sandstone         9576'       Sandstone         9578'       Sandstone         9578'       Sandstone         10054'       Sandstone         5850'       No cushion, Tool open 30 mins.         FFP 88-50#, FSIP 296#, 62 mins.         FFP 88-50#, FSIP 1994#.         6499'       No cushion. <tool 30="" mins.<="" open="" td="">         FFP 59-59# 60 mins.         FFP 59-59# 60 mins.         122' drilling fluid.         122' drilling fluid.</tool>	Including depin interval tentor, contentTopBOTTOMDESCRIPTION, CONTENTS, ETC.1522'1556'Sandstone9566'9575'Sandstone9902'9928'Sandstone10008'10054'Sandstone5749'5850'No cushion. Tool open 30 mins.5749'5850'No cushion. Tool open 30 mins.6475'6499'No cushion. Tool open 30 mins.6475'6499'No cushion. Tool open 30 mins.122'drilling fluid.		NAME		Yates	Queen	Grayburg San Andres	Tubb	Abo	Wolfcamp Cisco	Strawn	Atoka		Morrow Clastics	Lower Morrow	Barnett			-	
	BoTToM 1556' 9575' 9928' 5850' 6499' 6499'	TOP       BOTTOM         1522'       1556'         9566'       9575'         9902'       9928'         10008'       10054'         5749'       5850'         6475'       6499'	s of porosity used, time	PERCENTENTION, CONTENTS, ETC.	Sandstone	Sandstone	Sandstone			· ·	open : 296#	lling	o cushion. Tool	FP /2-3/#. ISIP FP 59-59# 60 mi	20 mins. Recove 22 drilling fl	I					

	1.							
Submit 5 Copies Appropriate District Office DISTRICT 1	St Energy, Minerals		ew Mexico ural Resourc	es Departme	nt			
P.O. Box, 1980, Hobbs, NM 88240 DISTRICT II P.O. Drawer DD, Antesia, NM 88210		P.O. Be	ox 2088		N	INCENVI		an or rage
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, 1	New Mo	exico 8750	4-2088	,	JAN 31	1941	
	REQUEST FOR ALL TO TRANSPO					0. C.	D	
Operator			AND INA		Well A	PANNESSA.	OTHER	
Mewbourne Oil (	Jompany 🗸				30-	015-26	404	
P. O. Box 7698,	, Tyler, Texas	75711		- (0)	· .			
Reason(s) for Filing (Check proper box) New Well	Change in Transport	er of:		r (Please expla	<i>in)</i>			
	Oil Dry Gas Casinghead Gas Condensa	_						
Change in Operator	Casinghead Gas Condense		· · · · · ·				<u>.</u>	
nd address of previous operator	AND I FACE			, <u></u> , <u></u> ,,				
Lease Name	Well No. Pool Nan	-	ng Formation			f Lease		<b>ease No.</b> 2410
FEDERAL ''T''	1 North	<u>1111</u>	nois Cam	o Morrow	1 <del></del>	Federal or Fed		
Unit LetterA	: <u>660</u> Feet From	m The	North Line	and99	<u>0</u> Fe	et From The _	East	Line
Section 12 Township	185 Range	27E	NI	/IPM.		Ede	dv	County
Journa Powership								county
II. DESIGNATION OF TRANS Name of Authorized Transporter of Oil Amoco Pipeline Inter-	or Condensate	NATU X	Address (Give	e address 10 wh ler Dept.	••			
corporate Trucking Name of Authorized Transporter of Casingl		ias 📉	Address (Giw	e address to wh	ich approved	copy of this f	orm is to be se	nt)
Transwestern Pipeline ( If well produces oil or liquids,	Company Unit Sec Twp.	Rge.	Is gas actually	$\frac{1188}{000000000000000000000000000000000$	HOUSTON When		//251	.188
ive location of tanks. I this production is commingled with that fi	<u>A 12 18S</u>		No	xer: NO	1	Febru	ary, 199	91
V. COMPLETION DATA	form any other lease of pool, give	commung	ling order num	xer: <u>110</u>		· · · · · · · · · · · ·		
Designate Type of Completion -		as Well X	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.	<u> </u>	Total Depth	10.1/		P.B.T.D.	10 100	J
6/28/90 Elevations (DF, RKB, RT, GR, etc.)	9/13/90 Name of Producing Formation		Top Oil/Gas I	10,14 Pay	+1 '	Tubing Dep	10,100 <sup>1</sup>	
DF 3632', GL 3618'	Morrow			10,00	)8 <b>'</b>		9,842	
Perforations 10,008-054'						Depth Casin	ig Shoe	
	TUBING, CASIN		CEMENTI		D	······		
HOLE SIZE	<b>CASING &amp; TUBING SI</b> 13-3/8''	ZE		<b>DEPTH SET</b> 472	t		<u>васкя сем</u> 450	ENT
12-1/4"	8-5/8"			2589	1		900	······
<u>7-7/8''</u> 5-1/2''	<u>5-1/2"</u> 4" Liner		<u> </u>	9473			$\frac{430}{80}$	
/. TEST DATA AND REQUES	T FOR ALLOWABLE		1	<b>#_U_#_</b>  U_		.L.,		
DIL WELL (Test must be after red Date First New Oil Run To Tank	covery of total volume of load oil Date of Test	l and musi	Y	exceed top allo thod (Flow, put			for full 24 hou	rs.) /
						10.10	Post	ID-2
Length of Test	Tubing Pressure		Casing Pressu	re		Choke Size	3-1-	5-9/2 + 12/2
Actual Prod. During Test	Oil - Bbls.		Water - Bbls.			Gas- MCF	amp	
GAS WELL			I			L		
Actual Prod. Test - MCF/D	Length of Test		Bbls. Conden			Gravity of C	Condensate	
923	2.4 hours Tubing Pressure (Shut-in)		Casing Pressu	(Shut-in)		5. Choke Size	80	
<b>esting Method (pilol, back pr.)</b> Back Pressure	2 3 0 0 #		-				4/64"	
VI. OPERATOR CERTIFICA		CE			SEDV			
I hereby certify that the rules and regulat Division have been complied with and th is true and complete to the best of my ar	hat the information given above	,		OIL CON		MAR 1		
rayfor the	emprou		By_			a/all	1~	
Signature Gaylon Thompson, H Drinted Name	Engr. Oprns.Sec	•						

Title SUPERVISOR, DISTRICT I

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

(903)

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.

-2900 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.

561

#### STATE OF NEW MEXICO •

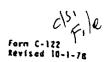
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# OIL CONSERVATION DIVIJON STATE OF NEW MEXICO P. O. BOX 2088 ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

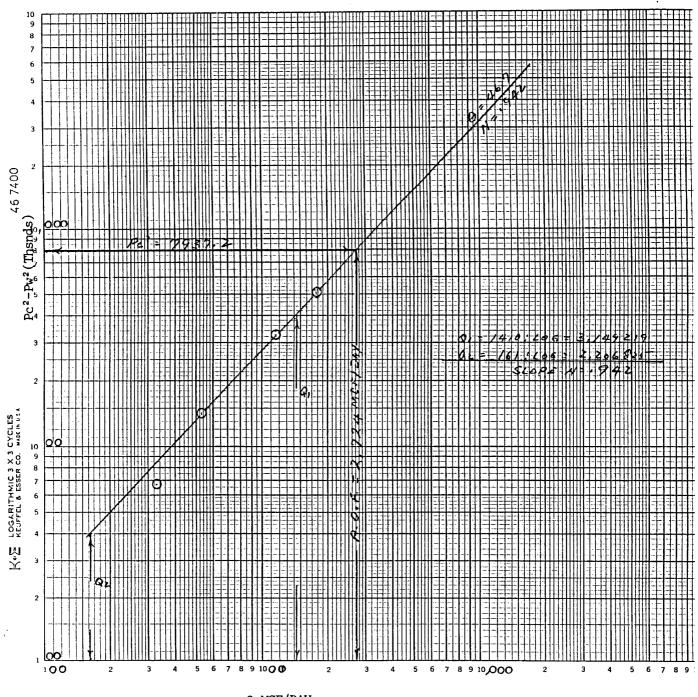


RECEIVED

# MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

										Ten D	L19		<u> </u>			
Гур	• T••1 X	] Initial		C	Annu	at		Sp.	ecial	10-1		<b>)</b> (	<u></u> .	0		
( ·	ραλγ ,	、 			C	onnest lo	a	Tran				437	1: A. D.	THEE	•	
Peel	wbourne	011 0	ompa	any		nation		ven	ted				Unit			
		inois	÷ Ċo	omp Morr		///////////////////////////////////////		row						A		
	pietion Date			Total Cepth			Plug Back			Elevati			Form o	r Lease N	2000	•
	09-13-90	)		10	0141			10100		3634	4 KB		Fe Well No	ederal	<u>T</u>	
	Size	¥(.		.4	Sal Al		Perloratio		T	. 1/			Well No	<b>.</b> 1		
4	II Size	<u>10.</u>	46.	4	101- S-1 A1	41	From 10			1(	054		Unil	Sec.	Twp.	Aye.
	3/8	4	.7			842	From	OPEN	τ	• ]	END		Α	12	18S	27E
		• - Brnas	000000	- G.G. of G.O	. Multipi	• ,		Pactor S					County		_	
	Sing	-								3888			Sigle	Eddy	/	
Frod TE	ucing Thru			eur Temps *F	Mea		Temp. 'F	Baro, Pr	<b>*</b> #6		13.	2		New Mex	rico	
			1/4	• 10031	- * C	60	1% N 2		% H2S	5	Prev		Meter		Tape	
10	0031	1003	1	.656		2.293		.39	•		1	•	2	.067	1	Flg.
			_	LOW DATA				тυ	BING	DATA		c,	SING	DATA		Duration
NO.	Prover Line	× -	rilice	1		nit.	Temp.	Pres		Tem		Pre		Temp.		al Flaw
	Size		5124	p.s.l.q.		h	•F	<b>p.d.l</b>		• • • •		<b>5.4.</b>	KR			72 hrs
SI V	- <u>) v</u>	1.25	:0	67	$\frac{1}{1}$	2.96	56	274				_	<u>CR</u>			$\frac{72 \text{ ms}}{1 \text{ hr.}}$
1.	$\frac{2}{2}$ X	$\frac{1.2}{1.25}$	the second second second second second second second second second second second second second second second s	167		4.44	50	2470					(R			1 hr.
3.	$\frac{2}{2}$ X	1.25		179	_	5.61	47	2110			•	_	(R			1 hr.
4.	2 X	1.25		299	9	4.09	54	1630	)			P	KR			<u>1</u> hr.
5.		i														
					R.	ATE O	F FLOW		<u> 4271</u>			<b>T</b>				
	Coeilic	ient	_	-	P	, tesewre	1	e Temp.		Gravit; Factor	-		Super mpress.		Rate of	Flow
NO.	(24 Ho	ur) _	1.1	V W A		Pat		F1.		Fq			tor, Fpv	,	Q. 14	eld
1	8.12	0		32.24		80.2	1	.004		1.23	_	_	.010		328_	
2.	8.12			51.01		80.2	the second second second second second second second second second second second second second second second s	.010		1.23			.020		527	
3.	8.12			112.30		.92.2		.013		· 1.23	_		.021		<u>165</u> 791	<u></u>
4.	8.12	0		171.39		312.2		.006		1.23	2	<del>-</del>	<u>,036</u>	╍╁╍╍┶	791	
5.		/	r				Liquid Hy	descarbos			61.	2				Met/abl.
NO.	ች	Temp.	•R	T	Z		. L. Grevity					58.0	@ 60°	)		Deq.
1.	.12	516		1.38	.981	Spe	cific Gravii				<u>656</u>			<u> </u>	XXX	<u>x x x x</u> _
2.	.26	510	_	1.37	.962		cille Gravit		Fluid		<u>×</u>	XXXX			<u> </u>	
3.	.28	<u>50</u>	_	$\frac{1.36}{1.38}$	<u>.959</u> .932		licul Preses		*67	<u>8</u> *372			P.S.I	·^·		_P.S.I.A. 8
4.	.40	<u> </u>	╌┼				licul Tempe									^ ^
	2817.3	P.1	7937	.2			p_2		1	561		٢	P. 2	_ ا	1 5	 21
NO	P,2	Ρ.,		P.1	R. <sup>1</sup> - R.	<u> </u>	$\frac{P_c^2}{P_c^2 - R_c^2}$	* ·		201	•	· (2)	$R^2 - R^2$	2 2 -		<u>41</u>
1		2696		1209.0	007	-4	·c ·W					L	• • •	لم		
$\frac{2}{3}$		2555		<u>6532.1</u> 4722.4	<u>1405</u> 3214	<u>. 1</u> 8	<b>Г</b>	₽. <sup>2</sup>	٦-	_ 27	174					
4		1689		2853.4	5083	.8	F=Q [-	R <sup>2</sup> - R		a <del>- 2 a</del>	47_					
5							بها		ات. 							
Abec	iuce Open F							e 15.025	Angl	e al Sta	pa ÷ .	4	6.7	5100	•. a	942
Plem		made 2		to 2.293%			% N2 NDENSAT	F duri	ng t	ogt <sup>°</sup>	, r	TAR	H20			
	WETT	пысие .	4.0	ע כחמת	J.U AI		INCIEIUN	n aar1	<u>ng t</u>	csi 0	ر ب		u. V			
Appr	oved By Div	ts lon		Conducter	a 871			Culculate	Ped 871			T	Checked	а Вүг		

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



Q MCF/DAY

Appropriate District Office DISTRICT I P.O. Box 1980, Hobbs, NM 88240			State of Ne nerals and Natu NSERVA	ral Resourc	-			Form C-104 Revised 1-1-89 See Instructions at Bottom of Page
ISTRICT II O. Drawer DD, Anesia, NM 88210	1 1 1 1 <b>.</b>	i – –	P.O. Bo a Fe, New Me	x 2088		- ,		c151
DISTRICT III 000 Rio Brazos Rd., Aziec, NM 87410	DEOU		R ALLOWAE					rei
•			ISPORT OIL			AS	BT LT	UP
Operator Mewbourne Oil Cor	nnanv					Well A	API No. 30-015	26404
Address	iipaiiy							
P.O. Box 5270 He Reason(s) for Filing (Check proper box)	obbs, Ne	ew Mexi	<u>co</u>	Oth	er (Piease expla	in)		
New Well		ТП	ransporter of:					
Recompletion	Oil Casinghead		Dry Gas					
change of operator give name								
nd address of previous operator I. DESCRIPTION OF WELL		SE						
Lease Name		Well No. F	ool Name, Includi	ng Formation			of Lease	Lease No.
Federal "T"		1	North Illi	nois Ca	mp Morrow	W Xiáté,	Federal of XEXeX	NM-42410
Location A	e e	560 <b>.</b>	Feet From TheN	orth	(	990 E	et From The	East Line
Unit LetterA	_ :2	<u> </u>	eet from the		e and	F6	et rom ine	
Section 12 Townshi	p 18	3 <u>5</u> F	Range 27E	, N	MPM,		Eddy	County
II. DESIGNATION OF TRAN	SPORTER	R OF OIL	AND NATU					
Name of Authorized Transporter of Oil Amoco Pipeline Inter-		or Condensa	te X	•		••	copy of this form	
Sorporate Trucking	ghead Gas		or Dry Gas X				copy of this form	<u>sa, 0k 74170-</u> is to be sent)
Transwestern Pipeline	-						Texas 77	251-1188
If well produces oil or liquids, ive location of tanks.	1 1			Is gas actuali		When		
f this production is commingled with that	from any othe		185 27E		les ber:		12/ 0// 91	
V. COMPLETION DATA			<u> </u>					me Res'v Diff Res'v
Designate Type of Completion	- (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back Sa	
Date Spudded		I. Ready to H	Prod.	Total Depth			P.B.T.D.	
				•				
•	Name of Pr	oducing For	mation	Top Oil/Gas	Pay			
•	Name of Pro	oducing For	mation	Top Oil/Gas	Pay		Tubing Depth	
Elevations (DF, RKB, RT, GR, etc.)	Name of Pro	oducing For	mation	Top Oil/Gas	Pay			ihoe
Elevations (DF, RKB, RT, GR, etc.)						D	Tubing Depth	ihoe
Elevations (DF, RKB, RT, GR, etc.)	T		CASING AND				Tubing Depth Depth Casing S	ihoe CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations	T	UBING, C	CASING AND		NG RECOR		Tubing Depth Depth Casing S	
Elevations (DF, RKB, RT, GR, etc.) Perforations	T	UBING, C	CASING AND		NG RECOR		Tubing Depth Depth Casing S	
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE		UBING, C	CASING AND BING SIZE		NG RECOR		Tubing Depth Depth Casing S	
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE	TI CAS	UBING, C SING & TUE	CASING AND BING SIZE	CEMENTI	NG RECOR DEPTH SET		Tubing Depth Depth Casing S SAC	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE OIL WELL (Test must be after i	TI CAS	UBING, C SING & TUE LLOWA tal volume o	CASING AND BING SIZE	CEMENTI be equal to o	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SAC	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE OIL WELL (Test must be after to Date First New Oil Run To Tank	TT CAS ST FOR A recovery of 101 Date of Tes	UBING, C SING & TUE LLOWA tal volume of t	CASING AND BING SIZE	CEMENTI be equal to or Producing M	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SAC	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V TEST DATA AND REQUE	TT CAS ST FOR A recovery of to	UBING, C SING & TUE LLOWA tal volume of t	CASING AND BING SIZE	CEMENTI be equal to o	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SAC	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE OIL WELL (Test must be after to Date First New Oil Run To Tank	TT CAS ST FOR A recovery of 101 Date of Tes	UBING, C SING & TUE LLOWA tal volume of t	CASING AND BING SIZE	CEMENTI be equal to or Producing M	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SA( 	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE DIL WELL (Test must be after 1 Date First New Oil Run To Tank Length of Test Actual Prod. During Test	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres	UBING, C SING & TUE LLOWA tal volume of t	CASING AND BING SIZE	CEMENTI be equal to or Producing M Casing Press	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SAC	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE DIL WELL (Test must be after 1) Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres	UBING, C SING & TUE LLOWA tai volume og t ssure	CASING AND BING SIZE	CEMENTI be equal to or Producing M Casing Press Water - Bbls	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SAC	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE DIL WELL (Test must be after 1 Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D	TI CAS ST FOR A recovery of tot Date of Tes Tubing Pres Oil - Bbls.	UBING, C SING & TUE LLOWA tal volume of t ssure	CASING AND BING SIZE BLE fload oil and must	CEMENTI be equal to or Producing M Casing Press Water - Bbls Bbls. Conde	NG RECOR DEPTH SET	owable for th	Tubing Depth Depth Casing S SA( SA( SA( SA( Sa) Choke Size Gas- MCF Gravity of Con	CKS CEMENT
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Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE OIL WELL (Test must be after 1 Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.)	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres Oil - Bbls.	UBING, C SING & TUE LLOWA tal volume of t ssure	CASING AND BING SIZE BLE fload oil and must	CEMENTI be equal to or Producing M Casing Press Water - Bbls Bbls. Conde Casing Press	NG RECOR DEPTH SET	owable for th ump, gas lift,	Tubing Depth Depth Casing S SAC SAC Sac Sac Choke Size Gas- MCF Gravity of Con Choke Size	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE OIL WELL (Test must be after 1 Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC L hereby certify that the rules and regu	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres Oil - Bbls.	UBING, C SING & TUE LLOWA tal volume of d ssure fest ssure (Shut-i COMPI Oil Conserv	CASING AND BING SIZE BLE fload oil and must in) LIANCE ation	CEMENTI be equal to or Producing M Casing Press Water - Bbls Bbls. Conde Casing Press	NG RECOR DEPTH SET	owable for th ump, gas lift,	Tubing Depth Depth Casing S SA( SA( SA( SA( Sa) Choke Size Gas- MCF Gravity of Con	CKS CEMENT
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE OIL WELL (Test must be after Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC I hereby certify that the rules and regu Division have been complied with add	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres Oil - Bbls.	UBING, C SING & TUE LLOWA tal volume of t ssure Fest Ssure (Shut-i Ssure (Shut-i Oil Conserv mation give	CASING AND BING SIZE BLE fload oil and must in) LIANCE ation	CEMENTI be equal to or Producing M Casing Press Water - Bbls Bbls. Conde Casing Press	NG RECOR DEPTH SET	owable for th ump, gas lift, NSERV	Tubing Depth Depth Casing S SAC SAC SAC SAC SAC Choke Size Gas- MCF Gravity of Con Choke Size Choke Size	CKS CEMENT full 24 hours.) densate
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE DIL WELL (Test must be after 1) Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC I hereby certify that the rules and regu Division have been complied with and is true and complete to the best of my	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres Oil - Bbls.	UBING, C SING & TUE LLOWA tal volume of t ssure Fest Ssure (Shut-i Ssure COMPI Oil Conserv mation given d belief.	CASING AND BING SIZE BLE fload oil and must in) LIANCE ation	CEMENTI be equal to or Producing M Casing Press Water - Bbls Bbls. Conde Casing Press	NG RECOR DEPTH SET	owable for th ump, gas lift, NSERV	Tubing Depth Depth Casing S SAC SAC Sac Sac Choke Size Gas- MCF Gravity of Con Choke Size	CKS CEMENT full 24 hours.) densate
Elevations (DF, RKB, RT, GR, etc.) Perforations HOLE SIZE V. TEST DATA AND REQUE DIL WELL (Test must be after 1) Date First New Oil Run To Tank Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC I hereby certify that the rules and regu Division have been complied with and is true and complete to the best of my	TT CAS ST FOR A recovery of tot Date of Tes Tubing Pres Oil - Bbls.	UBING, C SING & TUE LLOWA tal volume of t ssure Fest Fest COMPI Oil Conserv mation given d belief.	CASING AND BING SIZE BLE fload oil and must in) LIANCE ation	CEMENTI be equal to or Producing M Casing Press Water - Bbls Bbls. Conde Casing Press	NG RECOR DEPTH SET r exceed top all lethod (Flow, pr ure nsate/MMCF sure (Shut-in) OIL CON e Approve	owable for th ump, gas lift, NSERV	Tubing Depth Depth Casing S SAC SAC SAC SAC Choke Size Gas- MCF Gravity of Con Choke Size Choke Size Choke Size Choke Size Choke Size	CKS CEMENT full 24 hours.) densate

Date 02/18/91 (505) 393-5905 Telephone No.	

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.

i i

- 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.



7

#### STATE OF NEW MEXICO

#### **ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

**BRUCE KING** 

**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

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Wells placed in pools Re:

r---

Gentlemen:

As the result of Division Order  $\frac{R-9545}{R-9545}$  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. the following pool <del>(s)</del> shown 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 July 1, 1991

Sincerely,

Danell Moore Darrell Moore District Geologist

cc: Each Transporter Amoco Pipeline, Transwestern Santa Fe Mae Well File Joe Chism BLM

			ar Ste	ch S
orn, 316-2 une 1952)	UNIT DEPARTMENT EVREAU OF L	ED STATES	n a tan sa an an an an an an an Bhí Bhíonn Bhíonn Calainn	f Leuis Designation and Sena' No.
Do not use this t	form for proposals to dril	AND REPORTS ON WEL I or to deepen or reentry to PERMIT—" for such prop	to a different reservo	0 MM-42410 6. If Indian, Allottee en Tribe Name Dir.
	SUBMIT	IN TRIPLICATE	RECEIVED	7. If Unit or CA, Agreement Designation
Type of Well Oil Gas Well Well	) Other		AUG - 2 1993	8. Well Name and No. Federal "T" No. 1
<ol> <li>Name of Operator</li> <li>Mewbourne</li> <li>Address and Telephone</li> </ol>	Oil Company			9. API Well No.
P O Box P	5270 Hobbs, New Me Lage, Sec., T., R., M., or Survey De	xico 88241 (505) scription)	393-5905	10. Field and Pool, or Exploratory Area
660' FNL 8 Sec. 12-T1			·	11. County or Parish, State Eddy Co., N.M.
		) TO INDICATE NATUR	E OF NOTICE, REP	PORT, OR OTHER DATA
	F SUBMISSION		TYPE OF ACTI	
		Abandonment	· · · · ·	Change of Plans
_	equent Report	Recompletion     Recompletion     Plugging Bacl     Casing Repain	ĸ	New Construction     Non-Routine Fracturing     Water Shut-Off
_	1			
	Abandonment Notice Completed Operations (Clearly state al	Altering Casi     Other  I pertiment details, and give pertiment data	es, including estimated date of st	Completion or Recompletion Report and Log form.)
<ol> <li>Describe Proposed or give subsurface 1</li> <li>Plug bac</li> </ol>	Completed Operations (Clearly state all locations and measured and true vertic k existing perforat	Depriment details, and give pertiment date al depths for all markers and zones per tions (10,008'-10,05	es, including estimated date of st tinent to this work.)*	Dispose Water     (Note: Report results of multiple completion on Well     Completion or Recompletion Report and Log form.)
<ul> <li>Describe Proposed or give subsurface 1</li> <li>Plug bac Cap both</li> </ul>	Completed Operations (Clearly state al locations and measured and true vertic	Dother I pertiment details, and give pertiment date al depths for all markers and zones per tions (10,008'-10,05 ment.	es, including estimated date of st tinent to this work.)*	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) tarting any proposed work. If well is directionally drille 0 @ 9950' and 9040'.
<ul> <li>13. Describe Proposed or give subsurface 1</li> <li>1. Plug bac Cap both</li> <li>2. Perforat</li> </ul>	Completed Operations (Clearly state all locations and measured and true vertic k existing perfora- n plugs with 50' cer	Dother I pertiment details, and give pertiment date al depths for all markers and zones per tions (10,008'-10,05 ment.	es, including estimated date of st tinent to this work.)*	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) tarting any proposed work. If well is directionally drille
<ol> <li>Describe Proposed or give subsurface 1</li> <li>Plug bac Cap both</li> <li>Perforat</li> </ol>	Completed Operations (Clearly state al locations and measured and true vertic k existing perforat plugs with 50' cer te the Cisco format	Dother I pertiment details, and give pertiment date al depths for all markers and zones per tions (10,008'-10,05 ment.	es, including estimated date of st tinent to this work.)*	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) tarting any proposed work. If well is directionally drille 0 @ 9950' and 9040'.
<ul> <li>13. Describe Proposed or give subsurface 1</li> <li>1. Plug bac Cap both</li> <li>2. Perforat</li> <li>3. Stimulat</li> </ul>	Completed Operations (Clearly state all locations and measured and true vertice in plugs with 50' cer the Cisco format the if necessary.	Dother I pertiment details, and give pertiment date al depths for all markers and zones per tions (10,008'-10,05 ment.	es, including estimated date of st tinent to this work.)*	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) tarting any proposed work. If well is directionally drille 0 @ 9950' and 9040'.
<ol> <li>Describe Proposed or give subsurface 1</li> <li>Plug bac Cap both</li> <li>Perforat</li> <li>Stimulat</li> </ol>	Completed Operations (Clearly state all locations and measured and true vertice in plugs with 50' cer the Cisco format the if necessary.	Dother	es, including estimated date of st tinent to this work.)* 54') with a CIBP 23, 1993.	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) tarting any proposed work. If well is directionally drille 0 @ 9950' and 9040'.

\*See instruction on Reverse Side

		~		JSF
•• . .•		HM OTE CONS. Walk	IISSION	FORM APPROVED
Form 3160-5 .	EDEIVED UNI	TED STATES Drawer DD		Budget Bureau No. 1004–0135
(June 1990)	DEFARIMEN	IT OF THE INTERIOR testa. NM 8821		Expires: March 31, 1993
	BUREAU OF	LAND MANAGEMENT		5. Lease Designation and Serial No.
0	NUMBER ANTICES	AND REPORTS ON WELLS	-	NM-42410 5. If Indian, Allottee or Tribe Name
SEP Do not use ti Cفا	his form for proposals to dr	ill or to deepen or reentry to a different r R PERMIT—" for such proposals	reservoir.	5. If Indian, Anouce of This Name
<u>}</u>	SUBMII	IN TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well	Gas [7]			Well Name and No.
	Gas Well Other	0.6	• D °	Federal "T" #1
2. Name of Operator	e Oil Company	Alle the second s	9	. API Well No.
3. Address and Tele		=		30-015-26404
P.O. Box	5270 Hobbs, New Mex	(ico 88241	1	0. Field and Pool, or Exploratory Area
4. Location of Well	(Footage, Sec., T., R., M., or Survey I	escription)		North Illinois Camp Mor
660' ENI	& 990' FEL		1	1. County or Parish, State
				Eddy Co. Nov. Maria
Sec. 12-	T18S-R27E	s) TO INDICATE NATURE OF NOTICI		Eddy Co. New Mexico
		·····		
TYP	E OF SUBMISSION		F ACTION	
	Notice of Intent			Change of Plans
	_			New Construction
	Subsequent Report	Plugging Back		Water Shut-Off
	Final Abandonment Notice	Altering Casing		Conversion to Injection
	, mar reconcernation records	Other		Dispose Water
				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Describe Propose	ed or Completed Operations (Clearly state	Il pertinent details, and give pertinent dates, including estimated	d date of starting an	y proposed work. If well is directionally drilled,
give subsurf	face locations and measured and true vert	cal depths for all markers and zones pertinent to this work.)*		
* Verbal	from Adam Salameh			
08/14/93	Well pumping 1442 B	W. 0 BO, 0 MCF from attempted	completio	on in Cisco formation.
	MIRU well service r	1g.	Dump / cv	. cmt. on plug. Perf.
08/15/93	Set CIRF @ /595. OV	er ©isco Perfs (7685'-7695'). (7330'-7360') (44 H)	Damh 4 21	. one. on prog. rent.
08/16/93	Swabbed well down w	/no entry.		
08/16/93	Acidized Wolfcamp f	ormation w/3000 gal 15% FE acid	d. Swabbe	ed water w/no show of
00, 17, 50	oil or das	21		
08/18/93	Set CIBP @ 7300' ov	er Wolfcamp formation (7330'-73	360 <b>').</b> Di	ump 4 sx. cmt. on plug.
	Perf'd Wolfcamp for	mation (7092'-7146') (62H). Sv	wabbed we	11 down. No entry.
08/19/93		ormation (7092'-7146') w/3000 g	yaı. 15% f	TE dulu.
08/20/93		now of 011 or gas.	d Walfarm	(6868'-7038') (80H)
08/21/93		er Perfs (7092'-7146'). Perf'c	u wyiiCdM asl 159 i	F acid
08/22/93	Acidized Wolfcamp f	ormation (6868'-7038') w/3000 g	yaı. 15% l	L aciu.
08/24/93		ace of 011.	V EE acid	8 15 000 gal gal water
08/26/93		p (6868'-7038') w/3000 gal. 209		a 10,000 yar. yer water
	See attached page.			
-12	the foregoiners the and correct	Tide Production Engineer	r	Date 09/08/93
Signed			<u></u>	
	Federal or State office use)		ACCEPTE	D FOR RECORD
Approved by Conditions of a	pproval, if any:	Title	X.	Jara
			1 4cm	- 4 1993
Title 18 U.S.C. Sec	ction 1001, makes it a crime for any perso	n knowingly and willfully to make to any department or agen	y of the United St	
or representations a	is to any matter within its jurisdiction.			D, NEW MEXICO
		*See Instruction on Reverse Side	UTILODA	, IL W IVIENICU

08/27/93 RIH w/pump & started pumping well. 08/28/93 0 B0 276 BW 8 MCF 09/03/93 5 B0 30 BW 5 MCF 09/05/93 2 B0 25 BW 4 MCF

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(June 1990)- (June ED STATES IN OIL CONS. Compared T OF THE INTERIOR of DD LAND MANAGEMENTAL, INC. 20240 AND REPORTS ON WELLS III or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. <u>NM-42410</u> 6. If Indian, Allottee or Tribe Name	
AREA	IN TRIPLICATE RECEIVED	7. If Unit or CA, Agreement Designation
1. Type of Well	SEP = 8 1993	
Oil Gas Other		8. Well Name and No.
2. Name of Operator		Federal "T" #1
Mewbourne Oil Company		
3. Address and Telephone No.	xico 88241 (505) 393-5905	30-015-26404 10. Field and Pool, or Exploratory Area
P.C. Eox 5270 Hobbs, New Me 4. Location of Well (Footage, Sec., T., R., M., or Survey D		North Illinois Camp
	-100 0075	11. County or Parish, State MONNOW
660' FNL & 990' FEL Sec. 12	-T18S-R27E	Eddy Co. N.M.
12. CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REPOR	
TYPE OF SUBMISSION	TYPE OF ACTION	
		Change of Plans
Notice of Intent	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
		Water Shut-Off Conversion to Injection
Final Abandonment Notice	Other	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
give subsurface locations and measured and true verta 07/19/93 Set 4" CIBP @ 9950' 07/21/93 Set 5-1/2" CIBP @ 99 07/22/92 Perf. Cisco Formatic all water. 07/24/93 Set cmt. retainer @ 07/25/93 Perf. Cisco Formatic 07/27/93 Set cmt. retainer @ 07/28/93 Perf. Cisco Formatic 07/29/93 Set cmt. retainer @ 07/30/93 Perf. Cisco Formatic 07/31/93 Set cmt. retainer @ 08/01/93 Perf. Cisco Formatic 08/03/93 Acidized Cisco Formatic	Il pertinent details, and give pertinent dates, including estimated date of starting cal depths for all markers and zones pertinent to this work.)* Verball Over Morrow Perfs. (10,008'-10,054') 040' @ top of liner. Dumped 4 sx. cmt. on (8034'-8042' w/2 SPF & 8055'-8060' w 8000'. Pumped 100 sx. cmt. into perfs on 7832'-7840' w/2 SPF. Swab tested a 7820'. Pumped 100 sx. cmt. into perfs on 7790'-7798' w/2 SPF. Swab tested a 7780'. Pumped 100 sx. cmt. into perfs on 7760'-7768' w/2 SPF. Swab tested a 7780'. Pumped 100 sx. cmt. into perfs on 7760'-7768' w/2 SPF. Swab tested a 7745'. Pumped 100 sx. cmt. into perfs on 7685'-7695' w/4 SPF. Swab tested a ation (7685'-7695') w/3000 gal 15% FE a 5033' & started pumping well.	any proposed work. If well is directionally drilled, I from Adam - BLM. Dump 2 sx. cmt. W/2SPF. Swabbed tested s. (8034'-8060') 11 water. s. (7832'-7840') 11 water. s. (7790'-7798') 11 water. s. (7760'-7768') ater W/show of gas.
14. I hereby certify there he for going is try and correct	Title Engineer	Date_August 20, 1993
(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, Jictifious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

	State of New	Mexico	
nit 5 Copies ropriate District Office	State of New Energy, Minerals and Natura		Form C-104 Revised 1-1-89 See Instructions
TRICT I Box 1980, Hobbs, NM 88240	OIL CONSERVAT	TION DIVISION	RECEIVED
TRICT II Drawer DD, Anenia, NM 88210	P.O. Box Santa Fe, New Mex	2088	007 - 4 1993
TRICT III ) Rio Brazos Rd., Aztec, NM 87410	REQUEST FOR ALLOWABL		<b>Q.</b> (., D.
	TO TRANSPORT OIL A	AND NATURAL GAS	A A A A A A A A A A A A A A A A A A A
MEWBOURNE OIL COMP	ANY		)15-26404
dress P.O. BOX 5270, HOB			
P.U. BUX 5270, HUB		Other (Please explain)	
w Well	Change in Transporter of:		
ange in Operator	Casinghead Gas 🕅 - Condensate		
hange of operator give name address of previous operator			
DESCRIPTION OF WELL A	Well No. Pool Name, Including	Free Free Free Cont	of Lease Lease No. Federal or Fee NM_42410
FEDERAL "T"	1 NORTH ILLING	UIS CAMP, WULL CAMP	1111-12110
Unit Letter	: Feet From The FI	NL Line and 990 <sup>1</sup> F	ect From The FEL Line
Section 12 Township	18S Range 27E	, NMPM, EDDY	County
DESIGNATION OF TRANS	PORTER OF OIL AND NATUR	RAL GAS	
ame of Authorized Transporter of Oil $AmO$	De la condensale	Maxee (One and the reason officers	
ame of Authorized Transporter of Casingh	sead Gas 🔀 or Dry Gas 🛄	Address (Give address to which approved BARTLESVILLE, OKLAHOM	d copy of this form is to be sent) IA 74004
GPM GAS CORPORATION well produces oil or liquids,	Unit Soc. Twp. Rgs.	Is gas actually connected? When	
wett hunderen og og velannet i		-	
e location of tanks.	12 18S 27E	YES	<u>8-1-93</u>
e location of tanks.	12 18S 27E	YES	
e location of tanks. this production is commingled with that fi	12     18S     27E       rom any other lease or pool, give comminagit       Oil Well     Gas Well       (X)     Cas Well	YES	8-1-93 Pug Back Same Res'v Diff Res'v
re location of tanks. this production is commingled with that fo /. COMPLETION DATA	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Pug Back Same Res'v Diff Res'v P.B.T.D.
ve location of tanks. this production is commingled with that for . COMPLETION DATA Designate Type of Completion -	12     18S     27E       rom any other lease or pool, give comminagit       Oil Well     Gas Well       (X)     Cas Well	YES	8-1-93 Plug Back Same Res'v Diff Res'v P.B.T.D. Tubing Depth
re location of tanks. this production is commingled with that fr /. COMPLETION DATA Designate Type of Completion - tats Spudded	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Pug Back Same Res'v Diff Res'v P.B.T.D.
re location of tanks. this production is commingled with that fr /. COMPLETION DATA Designate Type of Completion - ints Spudded levations (DF, RKB, RT, GR, etc.) verforations	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Plug Back Same Res'v Diff Res'v P.B.T.D. Tubing Depth
re location of tanks. this production is commingled with that fr /. COMPLETION DATA Designate Type of Completion - tats Spudded lievations (DF, RKB, RT, GR, etc.)	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Plug Back Same Res'v Diff Res'v P.B.T.D. Tubing Depth Depth Casing Shoe
re location of tanks. this production is commingled with that fr /. COMPLETION DATA Designate Type of Completion - ints Spudded levations (DF, RKB, RT, GR, etc.) verforations	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Plug Back Same Res'v Diff Res'v P.B.T.D. Tubing Depth Depth Casing Shoe
re location of tanks. this production is commingled with that fr /. COMPLETION DATA Designate Type of Completion - ints Spudded iterations (DF, RKB, RT, GR, etc.) verforations HOLE SIZE	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Plug Back Same Res'v Diff Res'v P.B.T.D. Tubing Depth Depth Casing Shoe SACKS CEMENT
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re location of tanks. this production is commingled with that fr /. COMPLETION DATA Designate Type of Completion - ints Spudded iterations (DF, RKB, RT, GR, etc.) verforations HOLE SIZE	12     18S     27E       rom any other lease or pool, give commingli       Oil Well     Gas Well       (X)	YES	8-1-93 Plug Back Same Res'v Diff Res'v P.B.T.D. Tubing Depth Depth Casing Shoe SACKS CEMENT this depth or be for full 24 hours.) i, etc.)
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<u>SEPT. 28. 1993</u>	(505) <u>393-5905</u> Telephone No.	
Date	Iceptus	
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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.
   All sections of this form must be filled out for allowable on new and recompleted wells.
   Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
   Separate Form C-104 must be filed for each pool in multiply completed wells.

Forn. 316%: Nunc 19%:	UNITED DEFARTMENT O UNITED OF JAN	F THE INTERIOL <b>ir</b> t	Mer DD osia, Mi 881	E FUENCAFERCINEL
Do not use this fo	SUNDRY NOTICES AND rm for proposals to drill or se "APPLICATION FOR PE	to deepen or reentry to a RMIT—" for such proposa	\$	
I. Type of Well	SUBMIT IN	TRIPLICATE	1993	7. If Unit or CA, Agreement Designation 8. Well Name and No.
Oil Cas Well Car 2. Name of Operator Mewbourne Oi 3. Address and Telephone N		<u>C.</u>		B. Well Name and No.           Federal         "T" #1           9. API Well No.           30-015-26404
P.O. Box 5270	D Hobbs, New Mexico Sec., T., R., M., or Survey Descript 90' FEL	88241 (505) 393-5	905	10. Field and Pool, or Exploratory Area North Illinois Camp Morro 11. County or Parish, State
12. CHECK A	PPROPRIATE BOX(s) T	O INDICATE NATURE OF	NOTICE, REF	PORT, OR OTHER DATA
TYPE OF S	BUBMISSION		TYPE OF ACTIO	N
X Notice of		Abandonment Recompletion		Change of Plans
	andonment Notice	Plugging Back Casing Repair Altering Casing Other <u>Shut-i</u>		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 (orm.) arting any proposed work. If well is directionally drilled,

Mewbourne fil formany here by requests "shut-in" status pending further evaluation of the lease for the above well. The well was spudded 06/28/90. Attached is a copy of the stimulation report which charts the annulus pressure during a break down on the Wolfcamp reompletion.

(This space for Federal or State office use) Charling to the state of		Petroleum Englisser	Date [ 0 [	18/93	
14. I hereby certify that the foregoing is true and correct Signed		roduction Engineer	Date09/2	21/93	
	• -	d Fer <u>12</u> Monits Period <u>8 /27 /94</u>	ô. M	.0EIVED DI 09 MI 193	
			ten San San		

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.

Approved by \_\_\_\_\_\_ Conditions of approval, if any:

### HALLIBURTON SERVICES ACQUIRE Version 1.52

### CUSTOMER AND JOB INFORMATION

CustomerMEWBOURNE OILContractorX-PERILeaseFED-TLocationARTESIAFormationJob TypeJob TypeACIDCountryUSAStateNM

Date 21-Aug-1993 County EDDY Town Section Range Permit No Well No 1 Field Name

Customer Representative BRENT THURMAP

Halliburton Operator TOMMY VAUGHN

Ticket No. 498331NO

### STAGE DESCRIPTIONS

WELL CONFIGURATION INFORMATION

ST ACID ST FLUSH

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

### PIPE CONFIGURATION

	Measured	TUD	•	•	Tubing	
Segment Number		TVD	ID (inch)	••	ID (inch)	OD (inch)
Number 1		(1L) 6868	(inch)	(1nch) 5,500	(Inch) 2.441	(Inch) 2.875
T	0000	0000	9.700	5.500	2.441	2.0/5

#### PERFORATIONS

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

### REMARKS ABOUT JOB

TREAT AS INST

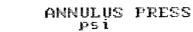
NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT BECAUSE OF VARIABLE WELL CONDITIONS AND OTHER INFORMATION WHICH

NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PARTICLES, BUT BECHOSE OF VARIABLE ALLE CONDITIONS AND OTHER IN CHARTEN AND THE MILLING 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

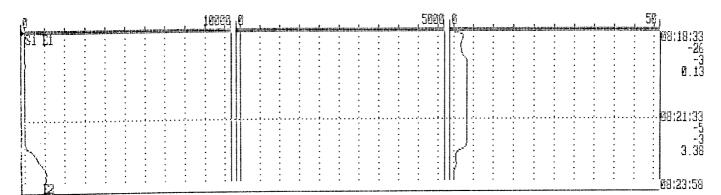
1.	Tubing	Press	(psi)

- 2. Annulus Press (psi) (bpm)
- 3. Clean Rate

### TUBING PRESS psi



### CLEAN RATE bpm.



### PAUSE

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Form 3160-5		Artesi	DD FORM APPROVED Budget Bureau No. 1004-0135
June 1990)	DEPARTME	NT OF THE INTERIOR	a, NM 8884000 March 31, 1993
	BUREAU OF	LAND MANAGEMENT	NM 42410
	SUNDRY NOTICE	S AND REPORTS ON WELLS	6. If Indian, Allonge or Tribe Name
Do not i	use this form for proposals to (	drill or to deepen or reentry to a different reservo	
Do not	Use "APPLICATION F	OR PERMIT—" for such proposals	
	SUBM	IT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
I. Type of W	Vell Gas 🗖	V	8. Well Name and No.
Well 2. Name of (	Well Duber		Federal T #1
	Durne Oil Company		9. API Well No.
3. Address a	nd Telephone No.		30-015-26404
P.0.	BOX 5270 HODDS, New Mo of Well (Footage, Sec., T., R., M., or Survey	exico 88241 (505) 393-5905	N. Illinois Camp Morrow
	FNL & 990' FEL		11. County or Parish, State
	12-T18S-R27E	11 - 1 A	Eddy Co., N.M.
		UNIT A	
2.		X(s) TO INDICATE NATURE OF NOTICE, REF	
	TYPE OF SUBMISSION		Change of Plans
	Notice of Intent	Abandonment Recompletion	New Construction
		Plugging Back	Non-Routine Fracturing
	Subsequent Report	Casing Repair	Water Shut-Off
	Final Abandonment Notice	Altering Casing	
	Final Abandonment Notice		Test Dispose Water (Note: Report results of multiple completion on Well
		Attering Casing Other Casing Integrity	Test Dispose Water (Note: Report results of multiple completion on Well Completion of Recompletion Report and Log form.)
13. Describe give	Charles the Commission (Charles and	Altering Casing	Test Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
∎i×e – Loa Cas	Proposed or Completed Operations (Clearly stat subsurface locations and measured and true ve ided casing with 80 bbls ing integrity test witr	e all pertinent details, and give pertinent dates, including estimated date of st ruical depths for all markers and zones pertinent to this work.)*	Test       Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form ) arring any proposed work. If well is directionally drilled,         10# in 30 minutes.
– Loa Cas	Proposed or Completed Operations (Clearly stat subsurface locations and measured and true ve	e all pertinent details, and give pertinent dates, including estimated date of st rrtical depths for all markers and zones pertinent to this work.)*	Test Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form ) arting any proposed work. If well is directionally drilled, 10# in 30 minutes.
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- Loa Cas on	Proposed or Completed Operations (Clearly stat subsurface locations and measured and true ve ided casing with 80 bbls ing integrity test witr 5/23/95.	Attering Casing Other Casing Integrity T e all pertinent details, and give pertinent dates, including estimated date of st ertical depths for all markers and zones pertinent to this work.)* S. water and tested to 1,000#. Lost nessed and approved by BLM representation - 8-5/8" Annulus or 8-5/8" - 13-3/8	Iest       Dispose Water         (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)         arting any proposed work. If well is directionally drilled,         10# in 30 minutes.         atipeter         atipeter         Dispose         Well         In 30 minutes.         atipeter         Annulugy         10 # 10 1995
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Five Loa Cas on - Hac 14. 1 hereby Signed - (This sp Amorphol	Proposed or Completed Operations (Clearly stat subsurface locations and measured and true ve ided casing with 80 bbls sing integrity test with 5/23/95. I no pressure on 5-1/2"	Attering Casing Other <u>Casing Integrity</u> e all pertinent details, and give pertinent dates, including estimated date of sterical depths for all markers and zones pertinent to this work.)* 5. water and tested to 1,000#. Lost nessed and approved by BLM representation - 8-5/8" Annulus or 8-5/8" - 13-3/8 ACCEPTED FOR RECOR ACCEPTED FOR RECOR CARLSBAD, NEW MEXI	Test       Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)         arting any proposed work. If well is directionally drilled.         10# in 30 minutes.         ati PCETVED         "Annulugue 10 1995         DOIL CON. DIV.         DIST.         00         5/24/95

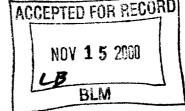
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	NM OIL CONS COMMISSION Drawer DD Artesia, NM 88210	OCTAL CIST
	UNITED STATES MENT OF THE INTERIOR	FORM APPROVED Budget Bureau No. 1004–0135 Expires: March 31, 1993
BUREAU	OF LAND MANAGEMENT	5. Lease Designation and Serial No.
	CES AND REPORTS ON WELLS	NM 42410
Do not use this form for proposals	to drill or to deepen or reentry to a different N FOR PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name reservoir.
	BMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
Type of Well     Oil     Well     Well     Other     Anne of Operator		8. Well Name and No. Federal "T" #1
Mewbourne Oil Company 3. Address and Telephone No.		9. API Well No. 30-015-26404
P.O. Box 5270 Hobbs, New	Mexico 88241 (505) 393-5905	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Sut 660' FNL & 990' FEL	rvey Description)	N. Illinois Camp Morrow 11. County or Parish, State
Sec. 12-T18S-R27E		
	Unit A	Eddy Co. N.M.
	BOX(s) TO INDICATE NATURE OF NOTIC	E, REPORT, OR OTHER DATA
TYPE OF SUBMISSION		
Notice of Intent		Change of Plans
Subsequent Report	Plugging Back	New Construction
		Water Shut-Off
Final Abandonment Notice	Altering Casing Other <u>Temporary</u> Aba	(Note: Report results of multiple completion on Well
	state all pertinent details, and give pertinent dates, including estimate e vertical depths for all markers and zones pertinent to this work.)*	
Mewbourne Oil requests te for the purpose of evalua	mporary abandonment status for th ting further behind pipe potentia noted on the attached sundry noti	e above referenced well 1. This well passed the
		AREA TO BY
	THAPPROVED FOR 12 MORE ENDING 5/23/96	
<u> </u>		DIL CON. DIV.
14. 1 hereby certify that the top going is true and correct Signed	Title Engineer	Dute Aug. 3, 1995
(This space for Federal or Sine office we D)	JOS G. LARA	GINEER Dur 8-628/85-
Approved by Conditions of approval, if any:	Title 32 1 2 31 2 378 LIV	Date <u>x px 0 / "</u>
Title 18 U.S.C. Section 1001, makes it a crime for any or representations as to any matter within its jurisdiction	person knowingly and willfully to make to any department or agenc a.	y of the United States any false, fictitious or fraudulent statements

orm. 3160-5		STATES	FORM APPROVED
יישטוע איז אסרע איז אסרע איז איז איז איז איז איז איז איז איז איז	DEPARTMENT (	OF THE INTERIOR	Budget Bureau No. 10(4-0135 Expires March 31, 1993
	BUREAU OF LAN	ND MANAGEMENT N.M. OII CONS.	DIVISION Lease Designation and Senal No
		811 S. 1st Street	NH 42410
	SUNDRY NOTICES AN	ID REPORTS ON WELLS, NM 882 or to deepen or reentry to a different res	10-2834 6 If India: Allottee or Tribe Name
Do not use this f	orm for proposals to drill d	ERMIT-" for such proposals	
			7. If Uni: or CA, Agreemen: Designation
	SUBMIT IN	TRIPLICATE	
1. Type of Well		<b>DEC</b> 05 '96	8 Well Name and No.
Oi' Gas Wei Weil	Other	0. C. D.	Federal T #1
2 Name of Operator Mewbourne Oi		O. C. D. ARTESIA, OFFIC	E 9. API Well No.
3 Address and Telephone		ARIESIA	50 015 20104
P.O. Box 527	70, Hobbs, NM 88241	(505) 393-5905	10 Field and Pool, or Exploratory Area
4 Location of Well (Foot	age Sec., T., R., M., or Survey Descri	ption)	N. Illinois Camp Morn 11. County or Parish, State
660' FNL & 9			Eddy Co., NM
Sec. 12-T189	5-R2/E		
OUTOK		TO INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA
	SUBMISSION	TYPE OF A	
		Abandonment	Change of Plans
Notice	of Intent		
C Subie	quent Report	Plugging Back	Non-Routine Fracturing
	urm report	Casing Repair	Water Shut-Off
Final	Abandonment Notice	X Other Temporary Aban	donment Dispose Water
		X Other _ Temporary Aban	(Note: Repert results of multiple completion or Completion or Recompletion Repert and Log 1
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rm 3160-5 ine 1990)	UNITED S DEPARTMENT OF	THE INTERIOR		882100000000000000000000000000000000000
	BUREAU OF LAND	D MANAGEMENT		5. Lease Designation and Serial No. NM-42410
o not use this form for	JNDRY NOTICES AND r proposals to drill or to PPLICATION FOR PE	o deepen or reentry to	a different reserve	6. If Indian, Allottee or Tribe Name OIT.
	SUBMIT IN TI	RIPLICATE		7. If Unit or CA, Agreement Designation
Type of Well Oil Gas Well Well X	Other			8. Well Name and No.
Name of Operator				Federal T #1
				9. API Well No.
Mewbourne Oil Com[any				
Address and Telephone No.	4 505-393-5905			30-015-26404 10. Field and Pool, or Exploratory Area
Address and Telephone No. PO Box 5270, Hobbs, NM		n)		10. Field and Pool, or Exploratory Area
Address and Telephone No. PO Box 5270, Hobbs, NN Location of Well (Footage, Sec.	., T., R., M., or Survey Description	n)		
B. Address and Telephone No. PO Box 5270, Hobbs, NM	., T., R., M., or Survey Description	n)		10. Field and Pool, or Exploratory Area N. Illinois Camp Morrow 11. County or Parish, State
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Address and Telephone No. PO Box 5270, Hobbs, NM Location of Well (Footage, Sec. 660' FNL & 990' FEL, Se	., T., R., M., or Survey Description		- NOTICE, REPOR	10. Field and Pool, or Exploratory Area N. Illinois Camp Morrow 11. County or Parish, State Eddy, NM
Address and Telephone No. PO Box 5270, Hobbs, NM Location of Well (Footage, Sec. 660' FNL & 990' FEL, Se	, T., R., M., or Survey Description c.12 T-18S R-27E ROPRIATE BOX(s) TO		F NOTICE, REPOR	10. Field and Pool, or Exploratory Area N. Illinois Camp Morrow 11. County or Parish, State Eddy, NM T, OR OTHER DATA
Address and Telephone No. PO Box 5270, Hobbs, NM Location of Well (Footage, Sec. 660' FNL & 990' FEL, Se 2. CHECK APPF TYPE OF SUB	, T., R., M., or Survey Description c.12 T-18S R-27E ROPRIATE BOX(s) TO MISSION			10. Field and Pool, or Exploratory Area N. Illinois Camp Morrow 11. County or Parish, State Eddy, NM T, OR OTHER DATA
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Address and Telephone No. PO Box 5270, Hobbs, NM Location of Well (Footage, Sec. 660' FNL & 990' FEL, Se 2. CHECK APPF TYPE OF SUB Notice of Inten	, T., R., M., or Survey Description cc.12 T-18S R-27E ROPRIATE BOX(s) TO MISSION	INDICATE NATURE O		
Address and Telephone No. PO Box 5270, Hobbs, NM Location of Well (Footage, Sec. 660' FNL & 990' FEL, Se 12. CHECK APPF TYPE OF SUB Notice of Inten	, T., R., M., or Survey Description cc.12 T-18S R-27E ROPRIATE BOX(s) TO MISSION t eport	INDICATE NATURE O		
a. Address and Telephone No. PO Box 5270, Hobbs, NM 4. Location of Well (Footage, Sec. 660' FNL & 990' FEL, Se 12. CHECK APPF TYPE OF SUB Notice of Inten X Subsequent Re	, T., R., M., or Survey Description cc.12 T-18S R-27E ROPRIATE BOX(s) TO MISSION t eport	INDICATE NATURE O Abandonment Recompletion Plugging Back Casing Repair		

14 15 16	AT T	°C	
	11 919		1



IN AVIA CONS. DIVISION

14. I hereby certify that the foregoing is true and correct					
Signed Alle Tuck	Title	N.M. Young	District Manager	Date	11/01/00
(This space for Federal or State office use) Approved by Receved On ly Conditions of approval, if any:	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, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 UNITED STATES (June 1990) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reserved Use "APPLICATION FOR PERMIT-" for such proposals	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. NM-42410 6. If Indian, Allottee or Tribe Name
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reserve	NM-42410 6. If Indian, Allottee or Tribe Name
Do not use this form for proposals to drill or to deepen or reentry to a different reserve	6. If Indian, Allottee or Tribe Name
	sir.
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well	
2. Name of Operator	8. Well Name and No. Federal T #1
Mewbourne Oil Comfany	9. API Well No.
3. Address and Telephone No.	30-015-26404
PO Box 5270, Hobbs, NM 505-393-5905	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	N. Illinois Camp Morrow
660' FNL & 990' FEL, Sec.12 T-18S R-27E	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 ACTIO	N
X Notice of Intent	Change of Plans
	New Construction
Subsequent Report Plugging Back	Non-Routine Fracturing
Casing Repair	Water Shut-Off
Final Abandonment Notice	Conversion to Injection
X Other CIT & Extend T/ A.	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 d directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to the above caption well is currently under T/A status. Mewbourne Oil Company would like to extend the a 5 1/2" CIBP above all perfs @ 6800". We are considering converting this well into a SWD. At this tis schelude a CIT (500 psi) & after passing, extend T/A status for an additional time. If any question, please call.	this work.)*
23456789101712 23456789101712	CALLSON R
NOV 2000 B RECEIVED B OCD - ARTESIA A	ECEIVED OCT 101 P 2: 3L

Signed	Title	N.M. Young	District Manager	Date	10/06/00
(This space for Féderal or state office use) Approved by Conditions of approval, if any:	Title	Petr	nieum Ensineer	Date	11/6/2000

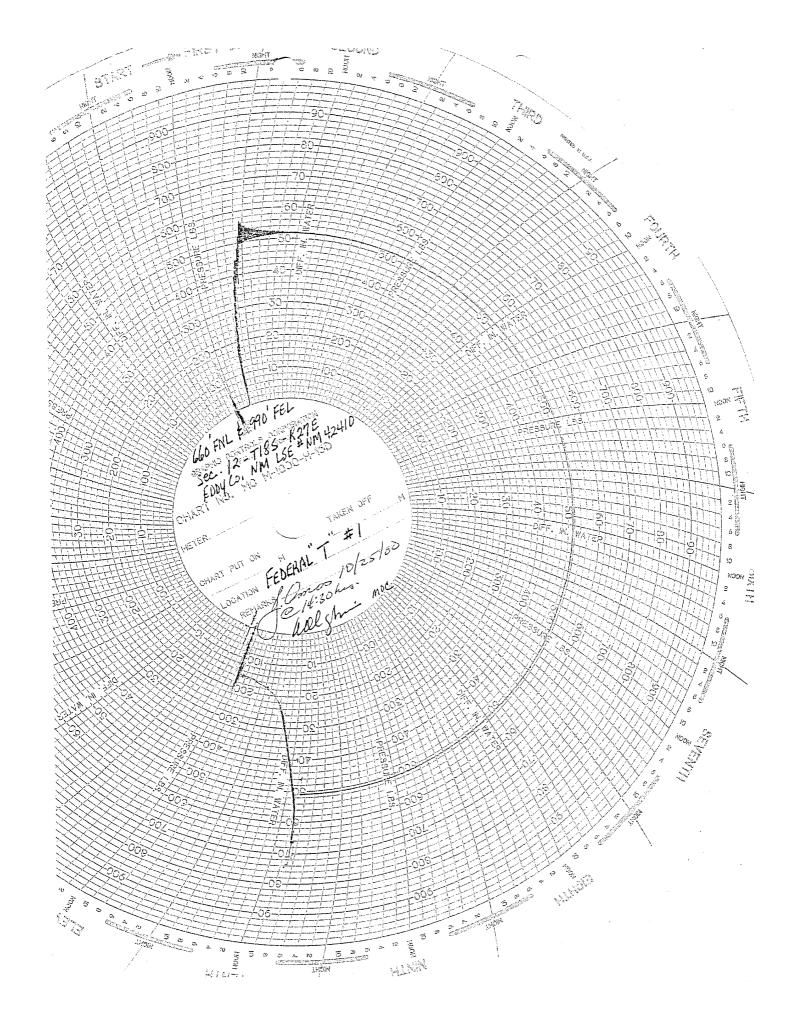
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orm 3160-5 June 1990)	TED STA DEPARTMENT OF TH BUREAU OF LAND MA	EINTERIOR OCO-Hotes	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
	DOILENG OF EARD IN		5. Lease Designation and Serial No. NM-42410
Do not use this form	SUNDRY NOTICES AND RE for proposals to drill or to de "APPLICATION FOR PERM	eepen or reentry to a different reservoir	6. If Indian, Allottee or Tribe Name
	SUBMIT IN TRIP	LICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas	\~ <b>^</b>	1	8. Well Name and No.
2. Name of Operator	X Other		Federal T #1
Mewbourne Oil Com[a	anv	CEIVED	9. API Well No.
3. Address and Telephone No	<u>.</u>	DCD - ARTESIA	30-015-26404
PO Box 5270, Hobbs,		<u> </u>	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, S	Sec., T., R., M., or Survey Description)	2	N. Illinois Camp Morrow
660' FNL & 990' FEL,	Sec.12 T-18S R-27E	20212858303	11. County or Parish, State
			Eddy, NM
12. CHECK AP	PROPRIATE BOX(s) TO IND	ICATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF S	UBMISSION	TYPE OF ACTION	
Notice of Ir	itent	Abandonment	Change of Plans
		Recompletion	New Construction
Subsequer	nt Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
🔄 Final Aban	donment Notice	Altering Casing  Other CIT & Extend T/ A.	Dispose Water
			(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	ell is currently under T/A status. Mi	e vertical depths for all markders and zones pertinent to thi ewbourne Oil Company would like to extend this	is status. The well has
a 5 1/2" CIBP above a schelude	er passing, extend T/A status for a		e, Mewbourne would like to
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a 5 1/2" CIBP above a schelude a CIT (500 psi) & afte If any question, pleas	er passing, extend T/A status for a e call. TA Approve Ending	n additional time. ad For <u>12</u> Month Period	RE, Mewbourne would like to 2000 CC TO F CAUSEAU OF LAN RESOU
a 5 1/2" CIBP above a schelude a CIT (500 psi) & afte If any question, pleas	er passing, extend T/A status for a e call. TA Approve Ending	n additional time. ad For <u>12</u> Month Period	
a 5 1/2" CIBP above a schelude a CIT (500 psi) & afte If any question, pleas	er passing, extend T/A status for a e call. TA Approve Encine to Operator: Submit a correct Submit a correct	n additional time. ad For $12$ Month Period 10/25/2001 Rec'd a range 10/25/2001 10/25/2001 10/25/2001	RECEIVED 2000 OCI IO P 2: 34 CANDEAU OF LAND MGMT. AREA
a 5 1/2" CIBP above a schelude a CIT (500 psi) & after If any question, pleas $Not \in T$ Please o f pve 14. I hereby certify that the foc signed $Y_{abs} M_{abs} M_{abs}$	er passing, extend T/A status for a e call. TA Approve Entine to Operator: Submit a certy Surve test char pregoing is true and correct	n additional time. ed For <u>12</u> Month Period <u>10/25/2001</u> Rec'd a any Add a any Add a any Title N.M. Young District Manager	RE, Mewbourne would like to RECEIVE NULSEAU OF LAND N RESOURCE
a 5 1/2" CIBP above a schelude a CIT (500 psi) & after If any question, pleas $Not \in T$ Please of pye 14. I hereby certify that the for	er passing, extend T/A status for a e call. TA Approve Entine to Operator: Submit a certy Surve test char pregoing is true and correct	n additional time. ad For $12$ Month Period 10/25/2001 Rec'd a range 10/25/2001 10/25/2001 10/25/2001	RECEIVED 2000 OCI IO P 2: 34 CANDEAU OF LAND MGMT. AREA
a 5 1/2" CIBP above a schelude a CIT (500 psi) & after If any question, pleas Not e T Please g g f pre 14. I hereby certify that the foc signed <u>M.M./M.M.</u>	er passing, extend T/A status for a e call. TA Approve Entine to Operator: Submit a cert Surve test char pregoing is true and correct tate office use M. Jana	n additional time. ed For <u>12</u> Month Period <u>10/25/2001</u> Rec'd a any Add a any Add a any Title N.M. Young District Manager	RECEIVED 2000 OCT IO P 2: 34 CANDEAU OF LAND MGMT. AREA

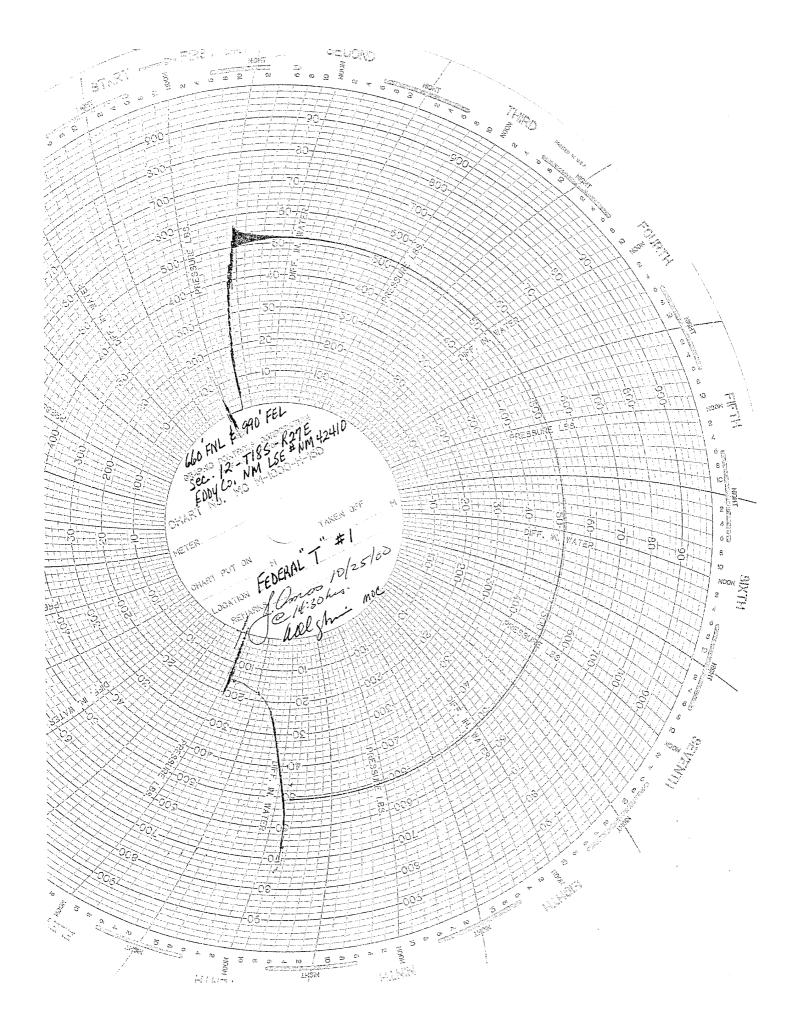
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# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

#### **BILL RICHARDSON**

Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

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.

		INSPECTIO	N DETAIL	SECTION		
FEDERAL	T 001	A-12	-18S-27E	30-015-26404-00-	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		tus for this well expired 10/2: 01. (Idle Well)	5/01. Last pro	duction reported was 7/	93. Well is in viola	ntion of

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,

Mine Brall

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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Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

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		INSPECTIO	N DETAIL	SECTION		
FEDERAL Inspection Date	T 001 Type Inspection	A-12 Inspector	-18S-27E Violation?	30-015-26404-00-0 *Significant Non-Compliance?	)0 Corrective Action Due By:	Inspection No.
12/04/2003	Routine/Periodic	Mike Bratcher	Yes	No	3/9/2004	iMLB0333840462
Comments	on Inspection: Well sign is	illegible and is not stan	ding. Violatio	n 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.

Sincerely, Milipent

5

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,

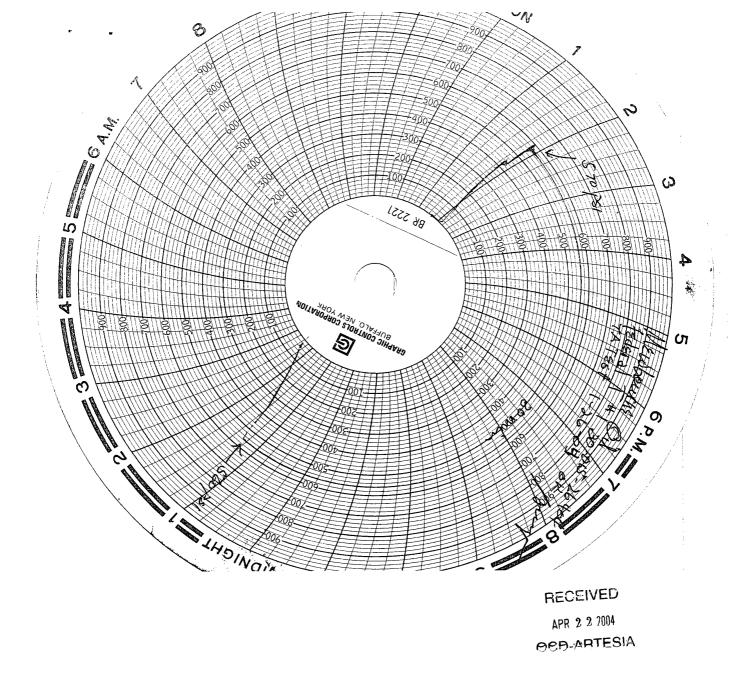
SRALL

Mike Bratcher, Compliance Officer

Form 3160-5 (September 2001)			UNITED STATI IMENT OF THE J OF LAND MAN	INTE		-AR	FESIA		OM Expire	RM APPROVED B No. 1004-0135 s: January 31, 2004
						-/11	Long	5. Lease Se		lo.
	Do not use th abandoned w	nis form ell. Use l	for proposals to Form 3160-3 (AP)	o dril D) fo	l or to re-enter r such proposa	r an IIS.		NM-42410 6. If Indian,		ttee or Tribe Name
1. Type of Well		RIPLICA	TE - Other instr	ucti	ons on revers	e side	) 	7. If Unit or	·CA//	Agreement, Name and/or No.
Oil Well		Other						8. Well Nai	me an	ıd No.
2. Name of Ope								Federal T	#1	
Mewbourne Oil	Company 147	744						9. API Wel		
3a. Address					b. Phone No. (inclu		<sup>code)</sup> ECEIVED	30-015-26		ol, or Exploratory Area
PO Box 5270	Hobbs, NM 88		or Survey Descriptio		)5-393-5905	- 11				p Morrow
4. Location of w	ell (Foolage, Sec.	, I, K., M.,	or Survey Descriptio	n)		AF	PR 2 2 2004	11. County		
660' FNL & 99	90' FEL, Sec 12-'	T18S-R27	'E			966	9-ARTESIA	Eddy Co	NM	
1	2. CHECK AP	PROPRI	ATE BOX(ES) T	0 IN	DICATE NATU	JRE O	F NOTICE, RI	EPORT, OF	R OT	HER DATA
TYPE OF SU	UBMISSION				Г	YPE O	F ACTION			
			cidize		Deepen		Production (Start	/Resume)		Water Shut-Off
Notice of In	ntent		lter Casing		Fracture Treat		Reclamation			Well Integrity
Subsequent	t Report		asing Repair	Q	New Construction		Recomplete		$\mathbf{\nabla}$	Other MIT Test
Final Aban	donment Notice		hange Plans	Ц	Plug and Abandon	H	Temporarily Aba	andon		
			onvert to Injection		Plug Back		Water Disposal			nd approximate duration thereof
Attach the Be following con testing has be	ond under which t	the work w volved ope nal Abando	ill be performed or pr rations. If the operation conment Notices shall	ovide n resu	the Bond No. on fi	e with E	BLM/BIA. Require	ed subsequent	repor al. a F	all pertinent markers and zones. rts shall be filed within 30 days form 3160-4 shall be filed once completed, and the operator has
-	tion well was such thart is enclosed.	-	MIT'ed on 01/26/04	4. (Pr	essured casing to	570#, h	eld OK for 30 m	ins)		
	tension of tempo et @ 6800'. No t							_		
					_	TA	APPROVED F ENDIING	OR 12 11261	MON OS	NTH PERIOD
		i	Accepted 1	or ro	cord - NMOCI	)				
14 1 houshy cont	if the forest									
Name (Print	tify that the foregoi (edlTyped)	ing is true a	ind correct							
NM Young	/				Title	Hobbs	District Manager	•		
Signature	A. W. Mur				Date	01/27/0	)4	ita da su como de se		
	/	nder an fait 1995 - State	IS THIS SPACE	FOR	FEDERAL OR	STATE	E OFFICE USE			
Approved by	(Signature)		/s/_Joe_G	. La	ra		ypeds/ Joe G.		Titl	<u></u>
certify that the a	pproval, if any, ar applicant holds lea itle the applicant to	gal or equi	Approval of this not table title to those rig perations thereon.	tice do ghts in	es not warrant or the subject lease	°ÆA	RLSBAD	FIELD (	OFI	FICHERE 4120104

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.

(Continued on next page)



RECEIVED APR 2 2 2004 OCD-ARTESIA

C104AReport

District II 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

Change of Operator

<b>Previous Opera</b>	ous Operator Information New Operator Information		
	Effe		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 Operator			
Signature: Printed Name:	Mother L. Whetstone	Signature: Printed Name	Gregg Jacob		
Title:	Vice-President OPerations	Title:	Western Operations Manager		
Date:	4/4/08 Phone: (903) 561-2900	Date:	<u>4/07/08</u> Phone (405) 552-4591		

NMOCD Approval Electronic Signature: Carmen Reno. District 2 Date: April 07, 2008

http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/C104A/C104AReport.aspx?PermitID=38,128,... 4/4/2008 04/04/2008 11:18AM (GMT-05:00)

10110-000

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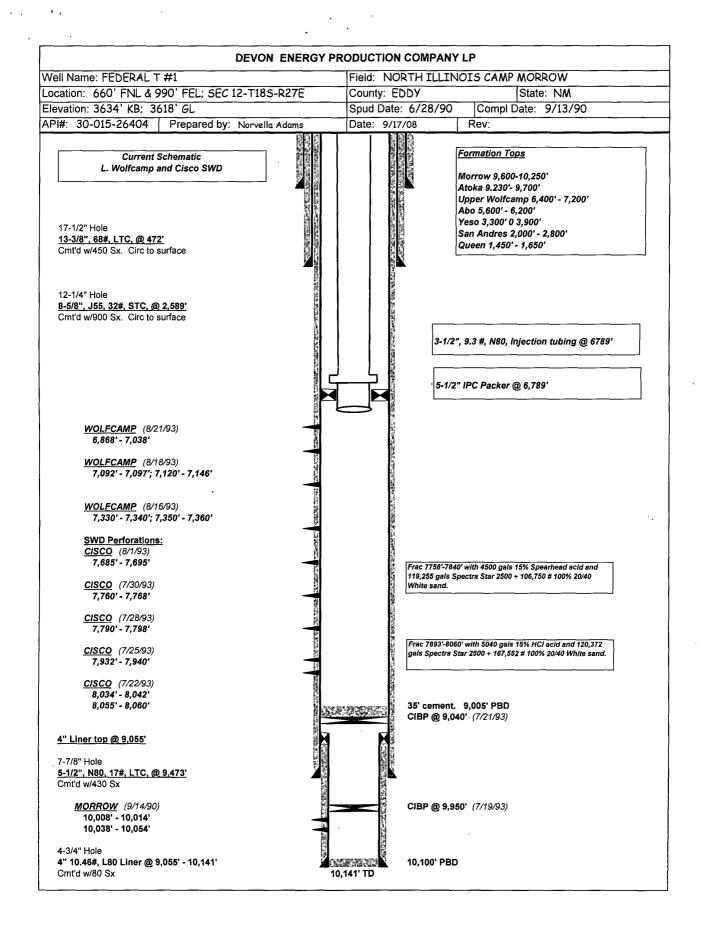
Page 1 of 1

Form C-145 Permit 72521

BUREA	UNITED STATES RTMENT OF THE INTERIOR AU OF LAND MANAGEMENT TICES AND REPORTS ON WE	S ILLS OCD-AI	TESIA	FORM APROVED ,OMB,NO-1004.0135 SIRES-NOVEMBER 30, 2000 15. Lease Serial No.
Do not use this fo	rm for proposals to drill or to re-	enter an		NM-42410
	SUBMIT IN TRIPLICATE	proposals		6. It Indian, Allottee or Tribe Name
· · · · · · · · · · · · · · · · · · ·				7. Unit or CA Agreement Name and No.
1a Type of Well 🗌 Oil Well 🗹 G	as Well 🗌 Other	<u>JUI_2_</u> 1 200	8	8 Well Name and No.
2. Name of Operator OCDARTESIA			Federal T 1 9. API Well No	
3. Address and Telephone No.				30-015-26404
20 North Broadway, Oklah		405-552-8198		10. Field and Pool, or Exploratory
<ol> <li>Location of Well (Report location clear 660' FNL &amp; 990' FEL</li> </ol>	arly and in accordance with Fed	eral requirements)*		Wolfcamp           12. County or Parish         13. State
Section 12 T18S R27E	, Unit A			Eddy NM
CHECK	APPROPRIATE BOX(s) TO IN		CE, REPORT	
Notice of Intent     Subsequent Report     Final Abandonment Notice     Sescribe Proposed or Completed Operations (		Deepen     Fracture Treat     New Construction     Plug and Abandon     Plug Back e pertinent dates, including estimated d	Productio Reclamat Recomple Tempora Water Dis ate of starting ar	on (Start/Resume) 🗌 Water Shut-Off ion 🗍 Well Integrity ete 🗍 Other rily Abandon
<ol> <li>application filed with the OC</li> <li>RIH and drill out CIBP's at 6</li> <li>Perform injection step rate te</li> <li>Drill out CIBP at 7,560' and</li> <li>Perforate / Reperforate Cisco</li> <li>7,932'-7,959'; 7,965'-7,967'; 7,9</li> <li>Frac as recommended.</li> <li>RIH with RBP and set at +/-</li> <li>Perforate / Reperforate Cisco</li> <li>Frac as per recommended.</li> <li>ProOH with RBP and RIH w</li> <li>Tie in disposal line routed for the set of the s</li></ol>	D. 5,800', 7,078', & 7,265'. est in the Lower Wolfcam cement retainers at 7,745 o with casing gun, 0.42" E 71'-7,972'; 7,976'-7,978'; 7,865'. o with casing gun, 0.42" E with casing gun, 0.42" E	p. ', 7,780', & 7,820', & 8, 2HD, 2 spf from 7,893'- 8,034'-8,042'; 8,055'-8,' 2HD, 2 spf at 7,758'-7,7 et packer at 7,600'. Perf D Battery and establish	000'. 7,899'; 7,5 060'; 8160 '68'; 7,790 form injec injection.	)'-7,798'; 7,800'-7818'; 7,832'-7,840'.
-	true and correct	e Norvella Adam		
14: I hereby centity that the foregoing is Signed (This space for Federal or State Office to Approved by Conditions of approval, if any:	SUM 13 STILLE	Sr. Staff Engineering T		
Signed (This space for Federal or State Office of Approved by Conditions of approval, if any:	Ise) Title Title Title	Sr. Staff Engineering T	echnician States any laise	JUL 1 6 2008

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK □ PLUG AND ABANDON □ TEMPORARILY ABANDON □ CHANGE PLANS □ PULL OR ALTER CASING □ MULTIPLE COMPL □ CASING/CEMENT JOB □ PAND A □ CASING/CEMENT JOB □         0THER: 0THER: 13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions. Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.         8/05/08 Drilled through cement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'. 8/07/08 Ran step rate test; pumped 50 bbls at ½ bbl/min - 0# psi, pumped 50 bbls at 1 bbl/min -20# psi, pumped 50 bbls at 3 bbls/min - 170# psi, pumped 50 bbls at 3 bbls/min - 170# psi.         8/11/08 Drilled cement retainer at 7820' and 7780'. 8/12/08 Drilled cement retainer at 7745', and 7780'. 8/12/08 Drilled cement retainer at 7745', and 7780'. 8/12/08 Drilled cement retainer at 7745', and 7780'. 8/12/08 Drilled cement retainer at 7525'. 2004 bholes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals Spectra Star 2500 + 167,552 # 20/40 White sand. 8/14/08 TIH with packer and set at 7582'. NU frac valve. 8/15/08 TIH with packer and set at 7582'. NU frac valve. 8/16/08 Frac 7758'-7840'; 228 total holes. 8/15/08 TIH with packer and set at 7582'. NU frac valve. 8/16/08 Frac 7758'-860'' with 4500 gals 15% Spearhead acid + 119,255 gals Spectra 2500 + 106,750 # 20/40 100% White sand. RD. 8/18/08 Release packer. TOOH with tubing. RIH with 3 ½'' IPC tubing and set at 6789'. Injection line installation in progress.         8/14/08 TIH with backer and balice 3.15% Spear				
Other         May 27, 2094           Derived Journel And Schull		State of New Mexico		Form C-103
ToS N French Dr., Holes, NM 83240       WELL APL NO.         Datability       OLL CONSER VATION DIVISION         Data Division       No. Anes, NM 8320         Data Division       Santa Fe, NM 87505         Data Strume Dr., Santa Fe, NM       Santa Fe, NM 87505         Data Strume Dr., Santa Fe, NM       Santa Fe, NM 87505         Data Strume Dr., Santa Fe, NM       Santa Fe, NM 87505         Data Strume Dr., Santa Fe, NM       Santa Te, NM 87505         Data Strume Dr., Santa Fe, NM       Santa Te, NM 87505         Data Strume Dr., Santa Fe, NM       Santa Te, NM 87505         Depresent Reservoire       9. OGRID Number         Depresent Reservoire       9. OGRID Number         20 North Broadway, Oklahoma City, OK 73102       405-552-8198         4. Well Location       11. Elevation (Sollow whether DR RKR, RTG, RC act.)         Structure       11. Elevation (Sollow whether DR RKR, RTG, RC act.)         Structure       11. Elevation (Sollow whether DR RKR, RTG, RC act.)         There Romazake Lask Andreidmal DL (Sollow whether DR RKR, RTG, RC act.)       Structure         Structure       11. Elevation (Sollow whether DR RKR, RTG, RC act.)         There Romazake Lask Andreidmal DL (Sollow whether DR RKR, RTG, RC act.)       Structure         There Romazake Lask Andreidmal DL (Sollow whether DR RKR, RTG, RC act.)       Stru	E.		ources	
Table W Grad Ave, Arneia, NM 8210       DIL CONSERVA JION DIVISION       3. Indicate Type of Lense         Tobacalli       1220 Surface Transcis Dr.       Sarta Fe, NM 87505         Table Strameb Dr. Smark A, Ante, INM 8740       Sarta Fe, NM 87505         Table Strameb Dr. Smark A, MAR       SUNDRY NOTICES AND REPORTS ON WELLS.         GONNOU US THIS FORM TOP ROPOSALS TO DRILL OR TO DEEPRO RF PLOG BACK TO A         POPOSALS       SUNDRY NOTICES AND REPORTS ON WELLS.         C. Name of Operator       9. OGRID Number         1. Type of Well: Oil Well       Gas Well         2. Name of Operator       9. OGRID Number         3. Address of Operator       10. Pool Fameb or Wildsal         Unit Letter_A       60°         3. Address of Operator       11. Elevation (Show whether DR, R&B, RT, GR, etc.)         3. Others brance and transcender DB States from nearest fresh water well       Diataset from the EAST line         Norh Brance M, RABADA L, DR, DRAND M, DR, R&B, RT, GR, etc.)       370° KB; SO'P'CL         The Data Gas Andreiden D L, COMPL       NORTE D'ANDRANC MALEST         12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTEC DF INTENTION TO:       SUBSEQUENT REPORT OF:         PEMFORM REMEDIAL WORK       PLUL GA ADABADON         PULL OR ALTER CASING       OMMAN ADABADON         OTHEE I	1625 N. French Dr , Hobbs, NM 88240	8.	WELL API NO.	
Distance III       1220 South SL Francis Dr.       Sindle after 19pe of Lease E.         Distance IW       Santa Fe, NM 87505       Sindle Arte, NM 87505         State Fe, NM       Support State Fe, NM         1939       SUNDRY NOTICES AND REPORTS ON WELLS       South Off & Gas Lease No.         1939       SUNDRY NOTICES AND REPORTS ON WELLS       Federal T         100 ONOT USE THIS FORM TOR PROPORTS ON WELLS       Federal T         100 ONOT USE THIS FORM TOR PROPORTS ON WELLS       South Off & Gas Lease No.         110 Pool name of Wildow       Gas Well       Other -Convert to SWD         120 North Broadway, Oklahoma City, OK 73102       405-552-8198       L. Wolfcamp and Cisco         20 North Broadway, Oklahoma City, OK 73102       405-552-8198       L. Wolfcamp and Cisco         111. Elevation (Show whether DR, RK2, RC, GR, etc.)       States City of Converting		IL CONSERVATION DIVIS	JON 30-015-2	6404
1000 RB mass R4, Aztes, NM 37410       Santa Fe, NM 87505       6. State OT & Cast Cast Cast Cast Cast Cast Cast Cast	isor of official files, fileson, for obero		5. Indicate Type of Lea	
120 5 87 Fanets Dr., Small Fr, NM       7. Lense Name or Unit Agreement Name         200 SMOT USE TRUNCATION NOTICES AND REPORTS ON WELLS.       7. Lense Name or Unit Agreement Name         200 SMOT USE TRUNCATION FOR TEXATION OR TEXATION OR PLACIDATE ON WELLS.       7. Lense Name or Unit Agreement Name         200 SMOT USE TRUNCATION FOR TEXATION OR TEXATION OR PLACIDATE ON SWD       8. Well Number         1. Type of Well: Oil Well       Gas Well       Other - Convert to SWD       9. OGRID Number         20 North Broadway, Oklahoma City, OK 73102       405-552-8198       L. WolfCamp and Cisco       96.         20 North Broadway, Oklahoma City, OK 73102       405-552-8198       L. WolfCamp and Cisco       96.         21 Netterion       11. Elevation       11. Elevation       10. Pool name or Wildcat       10. Pool name or Wildcat         21 North Broadway, Oklahoma City, OK 73102       405-552-8198       L. WolfCamp and Cisco       96.         21 Report Biologic Control       12       Township       188       Range 27E       NMPM       County Eddy         21 Report Biologic Control       12       Township       188       Range 27E       NMPM       County Eddy         21 Report Biologic Control       12       Township       183       Sector       County Eddy       County Eddy         21 Check Appropriate Box to Indicate Nature <t< td=""><td></td><td></td><td>SIAIE</td><td></td></t<>			SIAIE	
37395       SUNDRY NOTICES AND REPORTS ON WELLS       7. Lease Name or Unit Agreement Name         GD NOT USE THIS FORM TOR PROFOSALS TO DRILL OR TO DEEPN OR FLUG BACK TO A       7. Lease Name or Unit Agreement Name         FREDRIN RESERVOR USE SHAPPLACTION FOR FRANT COMMC 1010 FOR SUCH       8. Well Number       1         1. Type of Well: Oil Well       Gas Well       Other - Convert to SWD       8. Well Number         2. Name of Operator       9. OGRID Number       6137         3. Address of Operator       10. Pool name of Wildcat       L         2. Name of Operator       10. Pool name of Wildcat       L         3. Address of Operator       10. Pool name of Wildcat       L         4. Well Location       11. Elevation (Show whether DR, RKB, RT, GR, etc.)       3709 KB, 3907 GL         11. Elevation (Show whether DR, RKB, RT, GR, etc.)       3709 KB, 3907 GL       SUBSEQUENT REPORT OF:         Referenze       Public Groundward       Distance from name of Notice, Report or Other Data         NOTICE OF INTENTION TO:       SUBSEQUENT REPORT OF:       REMEDIA WORK       ALTENING GASING         PULL OR ALTER CASING       MULTPLE COMPL       SUBSEQUENT REPORT OF:       REMEDIA WORK       ALTENING GASING         Convert to SWD, Admin, Order SWO-1135.       113. Describe proposed or completion operations. (Clearly state all pertinnet deals, and give pertinent dates, including estimated date o		Sana 1 C, 1414 87505	6. State Oil & Gas Leas	e No.
OD NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A INFERENT RESERVOIL USE "APPLICATION ROR PRIMIT ("DOMA CLOIP FOR SUCH PROPOSALS)       Federal T         1. Type of Voll: Oil Well □ Gas Well □ Other -Convert to SWD       8. Well Number         2. Name of Operator       9. OGRID Number         3. Address of Operator       9. OGRID Number         4. Well Coation       10. Pool name or Wildcat         20 North Broadway, Oktahoma City, OK 73102       405-552-8198         4. Well Coation       11. Wolfcamp and Cisco         Unit Letter AGOfeet from the_NORTH line and _990'feet from the _EASTIne         States from state in the NORTH       10. Pool name or Wildcat         20 North Broadway, Oktahoma City, OK 73102       10. Fool name or Wildcat         20 North Broadway, Oktahoma City, OK 73102       10. Fool name or Wildcat         20 North Broadway, Oktahoma City, OK 73102       10. Fool name or Wildcat         21 Torn Stow-acade Lask Application I or Choure □       11. Elevation (Show whether DR, R&R, RT, GR, etc.)         2709 YEB, 3097 CL       11. Elevation Application Application Application Application Name         12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTICE OF INTENTION TO:       20. SUBSEQUENT REPORT OF:         PERFORM REMEDUAL WORK PLOUA DABANOON       Change PLANS       ALTERING CASING CASING COMMENCE OR				
PROPOSALS)       8. Well Number         1. Type of Well: Oil Well       Gas Well       Other - Convert to SWD       8. Well Number         2. Name of Operator       9. OGRID Number       6137         3. Address of Operator       9. OGRID Number       6137         20. North Broadway, Oklahoma City, OK 73102       405-552-8198       10. Pool name or Wildcamp and Cisco       9 (c)         4. Well Location       Unit Letter_A	(DO NOT USE THIS FORM FOR PROPOSALS TO	DRILL OR TO DEEPEN OR PLUG BACK		Agreement Name
2. Name of Operator       9. OGRID Number         3. Address of Operator       9. OGRID Number         20 North Broadway, Oklahoma City, OK 73102       405-552-8198         4. Well Location       L. Wolfcamp and Cisco         9. Unit Letter, A	PROPOSALS)	. ,		
DEVON ENERGY PRODUCTION COMPANY, LP         6137           3. Address of Operator         10. Pool name or Wildat           20 North Broadway, Oklahoma City, OK 73102         405-552-8198         L. Wolfcamp and Cisco         9 (a)           4. Well Location         Unit Letter _A         660°         feet from the _NORTH_ line and _990°feet from the _EAST_ line           Section         12         Township         18S         Range 27E         NMPM         County Eddy           910         11. Elevation (Show whether DR, RKB, RT, GR, etc.)         3709 'KR; 3697' GL              911 User         Depth to GroundwaterDistance from nearest freth water well Distance from nearest surface water         Distance from nearest surface water	2 Name of Operator			
3. Address of Operator       10. Pool name or Wildeat         20 North Broadway, Oklahoma City, OK 73102       405-552-8198       1. Wolfcamp and Citso 9 (6)         4. Well Location       Unit Letter A       : 660°       feet from the NORTH_ line and 990°feet from the _EAST_ line         Section 12       Township 18S       Range 27E       NMPM       County Eddy         Tor Below-grade Task Amplication or Courter       11. Elevation (Show whether DR, RKB, RT, GR, etc.)       States County Eddy         Pit User Thickness:       mil       Below-Grade Task. Volume       bbls: Construction Material         12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data       NOTICE OF INTENTION TO:	-	DUCTION COMPANY, LP	1	
20 North Broadway, Oklahoma City, OK 73102       405-552-8198       L. Wolfcamp and Cisco       96         4. Well Location       Unit Latter_A       : 660°       feet from the NORTH_ line and _990° _ feet from the _EAST_ line         Section       12       Township       18S       Range       27E       NMPM       County       Eddy         Pit or Bulow-grade Task Annioation       12       Township       18S       Range       27E       NMPM       County       Eddy         Pit or Bulow-grade Task Annioation       12       Township       18S       Range       27E       NMPM       County       Eddy         Pit or Bulow-grade Task Annioation       12       Township       18S       Range       27E       NMPM       County       Eddy         Pit type       Depth to Groundwater       Distance from nearest fresh water well       Distance from nearest surface water       Pit type       Pit type       Distance from nearest surface water       Pit type       Pit type       Depth to Groundwater       Distance from nearest surface water       Pit type       Pit type       Distance from nearest surface water       Pit type       Distance from nearest surface water       Pit type       Pit type       Distance from nearest surface water       Pit type       Distance from nearest surface water       Distance from nearest surf	3. Address of Operator			
4. Well Location		405-552-8198		<b>^</b>
Unit Letter_A				
Section       12       Township       18S       Range       27E       NMPM       County       Eddy         Prior Below-cende Tank Application Cl or Clourn:       11. Elevation (Show whether DR, RKB, RT, GR, etc.)       370° KB; 3697' GL         Prior Below-cende Tank Application Cl or Clourn:       mil       Below-Grade Tank: Volume       Distance from nearest surface water		fact from the NORTH line	and 0002 fact from the Ed	CT line
11. Elevation (Show whether DR, RKB, RT, GR, etc.)         3709 KB; 3697 GL         Pri or Below-grade Tank Application [] or Gourd         Pit Upe		_		
3709* KB; 3697* GL         Pit or Below acade Tank Application ar Closure [				County Eddy
Pit typeDepth to GroundwaterDistance from nearest fresh water wellDistance from nearest surface water	3709'	KB; 3697' GL	T, GR, etc.)	
Pit Liner Thickness:       mil       Below-Grade Tank: Volume       bbls: Construction Material         12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTICE OF INTENTION TO:         PERFORM REMEDIAL WORK       PLUG AND ABANDON       CHANGE PLANS       DEMEMBIAL WORK       PAND A         PULL OR ALTER CASING       MULTPLE COMPL       COMMENCE DRILLING OPNS       PAND A         OTHER:       OTHER Sconvert to SWD, Admin. Order SWD.1135         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TH with bit and drill collars.       8/06/08 Drilled through cement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'.         8/07/08 Ran step rate test; pumped 50 bbls at 2/bbl/min - 0# psi, pumped 50 bbls at 2 bbls/min - 75# psi, pumped 50 bbls at 2 bbls/min - 75# psi, pumped 50 bbls at 2 bbls/min - 75# psi, pumped 50 bbls at 2 bbls/min - 8000'; total 140 holes. TH and set packer at 7688''. Frac with 5,040 gals 15% HCl + 120,372 gals         8/10/80 Rricked in and established injection in the Wolfcamp at 150 BWPD at 120 psi.         8/11/80 TH with packer and set at 7582'. NU frac valve.         8/10/80 Release packer. TOOH with packer and tubing.         8/13/80 Release packer. TOOH with packer and tubing.         8/14/80 Rel				
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data         NOTICE OF INTENTION TO:         PERFORM REMEDIAL WORK □       PLUG AND ABANDON □         TEMPORARILY ABANDON □       CHANGE PLUG AND ABANDON □         PULL OR ALTER CASING □       CHANGE PLUG COMPL         OTHER: □       OTHER ⊠ Convert to SWD, Admin. Order SWD.1135         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         804/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.         805/08 Drill CIBP at 6800° and 7078'.         806/08 Drill CIBP at 6800° and 7078'.         807/08 Ran step rate test; pumped 50 bbls at ½ bbl/min −0# psi, pumped 50 bbls at 1 bbl/min ±20# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 1 bbl/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 2 bbls/min −15# psi, pumped 50 bbls at 1 bbl/	Pit typeDepth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface wat	er
NOTICE OF INTENTION TO:       SUBSEQUENT REPORT OF:         PERFORM REMEDIAL WORK       PLUG AND ABANDON       ALTERING CASING         TEMPORARILY ABANDON       CHANGE PLANS       ALTERING CASING         PULL OR ALTER CASING       CHANGE PLANS       PANDA         PULL OR ALTER CASING       MULTIPLE COMPL       CASING/CEMENT JOB         OTHER       Convert to SWD, Admin. Order SWD-1135         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.       S05/08 Drill CIBP at 6800° and 7078°.         8/05/08 Drilled through cement at 7525°, CIBP at 7300° and cement at 7560° and CIBP at 7595°.       S07/08 Ran step rate test; pumped 50 bbls at ½ bbl/min – 04 psi, pumped 50 bbls at 1 bbl/min – 204 psi, pumped 50 bbls at 2 bbls/min – 1704 psi.         8/07/08 Ran text retainers at 7745°, and 7780°.       S1208 Drilled cement retainers at 7745°, and 7780°.         8/12/08 Drilled cement retainers at 7745°, and 7780°.       S1208 Drilled cement retainers at 7582°. NO 800° (total 140 holes. TIH and set packer at 7688°. Frac with 5,040 gals 15% HCI + 120,372 gals         Spectra Star 2500 + 167,552 # 20/40 White sand.       S1208 Spectra 2500 + 106,750 # 20/40 100% White sand.         S/14/08 TH with packer and set at 7582°. ND 80P and NU frag. <t< td=""><td>Pit Liner Thickness: mil Belo</td><td>w-Grade Tank: Volume</td><td>bbls; Construction Material</td><td></td></t<>	Pit Liner Thickness: mil Belo	w-Grade Tank: Volume	bbls; Construction Material	
PERFORM REMEDIAL WORK       PLUG AND ABANDON       REMEDIAL WORK       ALTERING CASING         TEMPORARILY ABANDON       CHANGE PLANS       COMMENCE DRILLING OPNS       P AND A         PULL OR ALTER CASING       MULTIPLE COMPL       CASING/CEMENT JOB       COMMENCE DRILLING OPNS       P AND A         OTHER       CONTERS       OTHER       CONTERS       CONTERS       CONTERS       COMMENCE DRILLING OPNS       P AND A         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.       8/05/03 and tement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'.         8/07/08 Ran step rate test; pumped 50 bbls at ½ bbl/min - 0# psi, pumped 50 bbls at 2 bbls/min - 250 psi.       8/07/08 Pailed cement retainers at 7745', and 7780'.         8/11/08 Drilled cement retainers at 7745', and 7780'.       S/11 and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         8/11/08 Drilled cement retainers at 7782'. NU frac valve.       S/11 and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         8/13/08 Perforate Cisco from 7893' - 8060'; total 140 holes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         Systers Star 2500 + 167,552 # 20/40 White sand.       S/14/08 TIH with packer	12. Check Appropriation	riate Box to Indicate Nature o	f Notice, Report or Other Data	
PERFORM REMEDIAL WORK       PLUG AND ABANDON       REMEDIAL WORK       ALTERING CASING         TEMPORARILY ABANDON       CHANGE PLANS       COMMENCE DRILLING OPNS       P AND A         PULL OR ALTER CASING       MULTIPLE COMPL       CASING/CEMENT JOB       COMMENCE DRILLING OPNS       P AND A         OTHER       CONTERS       OTHER       CONTERS       CONTERS       CONTERS       COMMENCE DRILLING OPNS       P AND A         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.       8/05/03 and tement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'.         8/07/08 Ran step rate test; pumped 50 bbls at ½ bbl/min - 0# psi, pumped 50 bbls at 2 bbls/min - 250 psi.       8/07/08 Pailed cement retainers at 7745', and 7780'.         8/11/08 Drilled cement retainers at 7745', and 7780'.       S/11 and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         8/11/08 Drilled cement retainers at 7782'. NU frac valve.       S/11 and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         8/13/08 Perforate Cisco from 7893' - 8060'; total 140 holes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         Systers Star 2500 + 167,552 # 20/40 White sand.       S/14/08 TIH with packer	NOTICE OF INTENT		SUBSEQUENT REPOR	
TEMPORARILY ABANDON       CHANGE PLANS       COMMENCE DRILLING OPNS       P AND A         PULL OR ALTER CASING       MULTIPLE COMPL       CASING/CEMENT JOB       CASING/CEMENT JOB         OTHER:       OTHER Subscription       OTHER Subscription       OTHER Subscription       OTHER Subscription         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.       8/06/08 Drilled through cement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'.         8/07/08 Ran step rate test; pumped 50 bbls at ½ bbl/min – 0# psi, pumped 50 bbls at 1 bbl/min – 20# psi, pumped 50 bbls at 2 bbls/min – 520 psi.         8/07/08 B Trucked in and established injection in the Wolfcamp at 150 BWPD at 170 psi.         8/12/20 Drilled cement retainer at 723' and 8000'. Circulate hole and TOH with tubing and bit.         8/13/08 Perforate Cisco from 7893' – 8060'; total 140 holes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals         Spectra Star 2500 + 167,552 # 20/40 White sand.         8/14/08 TIH with retrievable tool and latch onto packer. Release packer and TOOH with upacker and tubing. RU wireline and perforate         Cisco from 7758'-7840'; 228 total holes.         8/15/08 TIH with packer and tubing.         8/16/08 Release packer. TOOH wi				
PULL OR ALTER CASING       MULTIPLE COMPL       CASING/CEMENT JOB         OTHER:       OTHER ⊠ Convert to SWD, Admin. Order SWD-1135         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.         8/05/08 Drilled through cement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'.         8/07/08 R an step rate test; pumped 50 bbls at 3 bbls/min – 170# psi, pumped 50 bbls at 4 bbls/min – 250 psi.         8/08/08 Trucked in and established injection in the Wolfcamp at 150 BWPD at 170 psi.         8/11/08 Drilled cement retainers at 7745', and 7780'.         8/12/08 Drilled cement retainers at 7745', and 7780'.         8/12/08 Drilled cement retainer at 1820' and 8000'. Circulate hole and TOH with tubing and bit.         8/13/08 Perforate Cisco from 7893' – 8060'; total 140 holes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCl + 120,372 gals         8/14/08 TIH with retrievable tool and latch onto packer. Release packer and TOOH with packer and tubing. RU wireline and perforate         Cisco from 7758'-7840'; 228 total holes.         8/16/08 Frac 7758'-8060' with 4500 gals 15% Spearhead acid + 119,255 gals Spectra 2500 + 106,750 # 20/40 100% White sand. RD.         8/16/08 Frac 7758'-8060' with 4500 gals 15% Spearhead acid + 119,255 gals Spectra 2500 + 106,750 # 20/40 100% White				. —
OTHER:       OTHER ⊠ Convert to SWD, Admin. Order SWD-1135         13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.         8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.         8/05/08 Drilled through cement at 7525, CIBP at 7300' and cement at 7560' and CIBP at 7595'.         8/07/08 Ra step rate test; pumped 50 bbls at / bbl/min – 0# psi, pumped 50 bbls at 1 bbl/min –20# psi, pumped 50 bbls at 2 bbls/min –         75# psi, pumped 50 bbls at 3 bbl/min – 170# psi, pumped 50 bbls at 4 bbls/min – 250 psi.         8/07/08 Ra trucked in and established injection in the Wolfcamp. at 150 BWPD at 170 psi.         8/11/08 Drilled cement retainers at 7745', and 7780'.         8/12/08 Drilled cement retainers at 7745', and 7780'.         8/13/08 Perforate Cisco from 7893' – 8060'; total 140 holes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCl + 120,372 gals         8/14/08 TIH with retrievable tool and latch onto packer. Release packer and TOOH with packer and tubing. RU wireline and perforate         Cisco from 7758'-7840'; 228 total holes.         8/15/08 TIH with packer and tubing.         8/16/08 Frac 7758'-8060' with 4500 gals 15% Spearhead acid + 119,255 gals Spectra 2500 + 106,750 # 20/40 100% White sand. RD.         8/18/08 Release packer.       TOOH with packer and tubing.         8/18/08 Release packer.       TO				
<ul> <li>13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.</li> <li>8/04/08 RU unit. ND wellhead and NU BOP. TIH with bit and drill collars.</li> <li>8/05/08 Drill CIBP at 6800' and 7078'.</li> <li>8/06/08 Drille dthrough cement at 7525', CIBP at 7300' and cement at 7560' and CIBP at 7595'.</li> <li>8/07/08 Ran step rate test; pumped 50 bbls at ½ bbl/min – 0# psi, pumped 50 bbls at 1 bbl/min -20# psi, pumped 50 bbls at 2 bbls/min – 75# psi, pumped 50 bbls at 3 bbls/min – 170# psi, pumped 50 bbls at 4 bbls/min – 250 psi.</li> <li>8/08/08 Trucked in and established injection in the Wolfcamp at 150 BWPD at 170 psi.</li> <li>8/11/08 Drilled cement retainers at 7780'.</li> <li>8/11/08 Drilled cement retainers at 7780' and 8000'. Circulate hole and TOH with tubing and bit.</li> <li>8/13/08 Perforate Cisco from 7893' – 8060'; total 140 holes. TIH and set packer at 7688'. Frac with 5,040 gals 15% HCI + 120,372 gals Spectra Star 2500 + 167,552 # 20/40 White sand.</li> <li>8/14/08 TIH with packer and set at 7582'. NU frac valve.</li> <li>8/16/08 Frac 7758'-8800' with 4500 gals 15% Spearhead acid + 119,255 gals Spectra 2500 + 106,750 # 20/40 100% White sand. RD.</li> <li>8/18/08 Release packer. TOOH with packer and tubing.</li> <li>8/2008 TIH with packer and stet at 768'. ND BOP and NU flange. Waiting on tubing.</li> <li>8/2008 TIH with packer and tubing. Set packer at 6789'. ND BOP and NU tree. Ran MIT test to 500.# for 30 minutes – ok, notified Mike Bratcher with OCD. TOOH with tubing. RIH with 3 ½' IPC tubing and set at 6789'. Injection line installation in progress.</li> <li>11 hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tisk has beeneral beceneral beceneral permit    or an (attached) alternative</li></ul>				
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8/16/08       Frac 7758'-8060' with 4500 gals 15% Spearhead acid + 119,255 gals Spectra 2500 + 106,750 # 20/40 100% White sand. RD.         8/18/08       Release packer. TOOH with packer and tubing.         8/20/08       TIH with bailer and bailed sand. Bailed sand to 8460'. TOOH with tubing. ND BOP and NU flange. Waiting on tubing.         8/20/08       TIH with packer and tubing. Set packer at 6789'. ND BOP and NU tree. Ran MIT test to 500,# for 30 minutes – ok, notified         9/15/08       TIH with oCD. TOOH with tubing. RIH with 3 ½" IPC tubing and set at 6789'. Injection line installation in progress.         I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan [].         SIGNATURE       TITLE       Sr. Staff Engineering TechnicianDATE9/17/08	Cisco from 7758'-7840'; 228 total holes.			
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8/20/08 TIH with bailer and bailed sand. Bailed sand to 8460'. TOOH with tubing. ND BOP and NU flange. Waiting on tubing.         9/15/08 TIH with packer and tubing. Set packer at 6789'. ND BOP and NU tree. Ran MIT test to 500,# for 30 minutes – ok, notified Mike Bratcher with OCD. TOOH with tubing. RIH with 3 ½" IPC tubing and set at 6789'. Injection line installation in progress.         I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan [].         SIGNATURE       TITLE       Sr. Staff Engineering Technician       DATE       9/17/08_         Type or print name       Norvella Adams       E-mail address:       norvella.adams@dvn.com       Telephone No. 405-552-8198         For State Use Only       TITLE       TITLE       DATE       DATE			pectra 2500 + 106,750 # 20/40 100%	White sand. RD.
9/15/08 TIH with packer and tubing. Set packer at 6789'. ND BOP and NU tree. Ran MIT test to 500,# for 30 minutes – ok, notified         Mike Bratcher with OCD. TOOH with tubing. RIH with 3 ½" IPC tubing and set at 6789'. Injection line installation in progress.         I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below- grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan [].         SIGNATURE       TITLE       Sr. Staff Engineering TechnicianDATE9/17/08         Type or print name       Norvella Adams       E-mail address: norvella.adams@dvn.com       Telephone No. 405-552-8198         For State Use Only       TITLE       TITLE       DATE				the second states of the second states of the second states of the second states of the second states of the se
Mike Bratcher with OCD. TOOH with tubing. RIH with 3 ½" IPC tubing and set at 6789'. Injection line installation in progress. I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below- grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan []. SIGNATURE TITLESr. Staff Engineering TechnicianDATE9/17/08 Type or print name Norvella Adams E-mail address: norvella.adams@dvn.com Telephone No. 405-552-8198 For State Use Only APPROVED BY:				
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below- grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan []. SIGNATURE				
grade tank has been/will be constructed or closed according to NMOCD guidelines _, a general permit _ or an (attached) alternative OCD-approved plan SIGNATURE	whice bratcher with OCD. TOOH with tubin	g. KIH WILL 3 72 TPC tubing and s	er at 0769. Injection line installation	i in progress.
SIGNATURE				
Type or print name       Norvella Adams       E-mail address:       norvella.adams@dvn.com       Telephone No. 405-552-8198         For State Use Only       APPROVED BY:	in the constructed of closed act			- approved pain (La)
Type or print name       Norvella Adams       E-mail address:       norvella.adams@dvn.com       Telephone No. 405-552-8198         For State Use Only       APPROVED BY:	SIGNATURE A CONS	TITLE Sr. Sta	ff Engineering Technician DATE	9/17/08
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nergy, Minerals and Vatural Resources Department New N exico **Bill Richardson** OCT 07200 Governor Joanna Prukop Mark Fesmire Cabinet Secretary **Division Director Reese Fullerton** 46 **Oil Conservation Division** Deputy Cabinet Secretary

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:**

Oil Conservation Division \* 1220 South St. Francis Drive \* Santa Fe, New Mexico 87505 \* Phone: (505) 476-3440 \* Fax (505) 476-3462\* <u>http://www.emnrd.state.nm.us</u>



· · · · · · · · · · · ·

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 <u>no more than 1480 psi</u>.

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.

<u>PROVIDED FURTHER THAT</u>, 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

Administrative Order SWD-1135 Devon Energy Production Company, L.P. July 16, 2008 Page 3 of 3

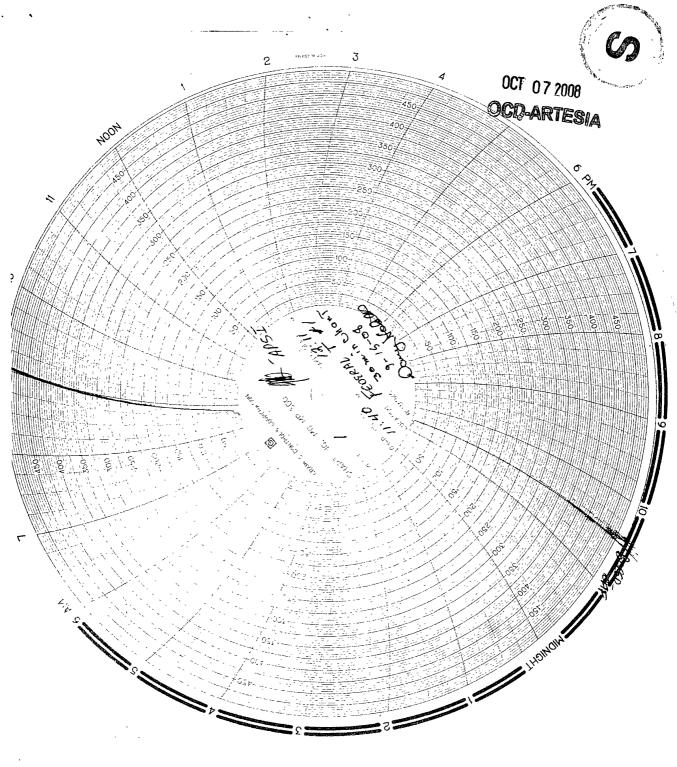
mailed prior to the expiration date, may grant an extension thereof for good cause shown.

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.

MÁRK E. FESMIRE, P.E. Director

MEF/wvjj

cc: Oil Conservation Division – Artesia Bureau of Land Management – Carlsbad



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ubmit to Appropriate District Off	lice									For	m C-105
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4"           5         Perforation record (intervision)           5         Perforation record (intervision)           6         Perforation record (intervision)           7         6868'-7038'           Volfcamp;         7092'-7097';           Volfcamp;         7330'-7340';           visco;         7893'-8060';           isco;         7758'-7840';           isco;         7758'-7840';           isco;         7758'-7840';           isco;         7758'-7840';           ate First Production         NA           ate of Test         Hours Tester           Flowing Tubing Press         24           Disposition of Gas (Sc         AConverted to SWD 9	9055' al, size, and numbe (8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1 0 holes) 8 holes) (still under CIB) Production Meth ed Casing Pressur Casing Pressur	10141' r) 18/93) 16/93) P) 	PRODU 9, Gas lift, pu Prod'n For Te Period ad 24- te	JCTION mping - Siz st Oil -		Depth Interval 7893'-8060' 7758'-7840' //pe pump) Cas - MCF	Frac Star	5040 gals 1 2500 + 167,5 4500 gals 1 1tra Star 2500 Well Statu Water - Bbl	Uueeze, ETC. Int and Kind 5% HCI acid 52 # 100% W 5% Spearhea + 106,750 # 5 (Prod Or SI 9/16/08-Cor Oll Gravity - A	Material and 120 hite 20/4 d acid a 100% W hut-In) verted 1 Gas - Oil	I Used ,372 gals Spectra IO Sand. and 119,255 gals Ihite 20/40 Sand. to SWD Ratio
4"           5         Perforation record (intervision)           5         Perforation record (intervision)           6         Perforation record (intervision)           7         092-7097;           Volfcamp; 7092'-7340;         124           isco; 758'-7840;         124           isco; 758'-7840;         122           torrow; 10008'-10054';         24           ate First Production         NA           ate of Test         Hours Tester           Flowing Tubing Press         9. Disposition of Gas (Sc	9055' al, size, and numbe (8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1 0 holes) 8 holes) (still under CIB) Production Meth ed Casing Pressur Casing Pressur	10141' r) 18/93) 16/93) P) 	PRODU 9, Gas lift, pu Prod'n For Te Period ad 24- te	JCTION mping - Siz st Oil -		Depth Interval 7893'-8060' 7758'-7840' //pe pump) Cas - MCF	Frac Star	5040 gals 1 2500 + 167,5 4500 gals 1 1tra Star 2500 Well Statu Water - Bbl	Uueeze, ETC. Int and Kind 5% HCI acid 52 # 100% W 5% Spearhea + 106,750 # 5 (Prod Or SI 9/16/08-Cor Oll Gravity - A	Material and 120 hite 20/4 d acid a 100% W hut-In) verted 1 Gas - Oil	I Used ,372 gals Spectra IO Sand. and 119,255 gals Ihite 20/40 Sand. to SWD Ratio
4"           5         Perforation record (intervision)           5         Perforation record (intervision)           6         Perforation record (intervision)           7         S01fcamp; 7092'-7097';           Volfcamp; 7092'-7097';         Yolfcamp; 7330'-7340';           yolfcamp; 7330'-7340';         (228           Isco; 7758'-7840'; (228         Ioorow; 10008'-10054';           8	9055' al, size, and numbe (8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1 0 holes) 8 holes) (still under CIBI Production Meth ed Choke Si Casing Pressur old, used for fuel, //16/08	10141' r) 18/93) 16/93) P) Tod (Flowing Ize e Calculate Hour Ra Vented, etc	PRODL g, Gas lift, pu Prod'n For Te Period ad 24- te )	JCTION mping - Siz st Oil - Oil - Bbi	BbL	Depth Interval 7893'-8060' 7758'-7840' /pe pump) Gas - MCF	Acture Frac Star Frac Spec	5040 gais 1 2500 + 167,5 4500 gais 1 tra Star 2500 Well Statu Water - Bbi Test V	Uueeze, ETC. Int and Kind 5% HCI acid 52 # 100% Wi 5% Spearhea + 106,750 # 5 (Prod Or Si 9/16/08-Cor Oil Gravity - A	Material and 120 hite 20/4 d acid a 100% W hut-In) verted 1 Gas - Oil	I Used ,372 gals Spectra IO Sand. and 119,255 gals Ihite 20/40 Sand. to SWD Ratio
Ize           4"           3 Perforation record (intervi- Volfcamp; 6868'-7038'           Volfcamp; 7092'-7097';           Volfcamp; 7330'-7340';           isco; 758'-8060'; (140'           isco; 758'-7840'; (22f           korrow; 10008'-10054';           ate First Production           NA           ate of Test           Flowing Tubing Press           3. Disposition of Gas (Sc           AConverted to SWD 9           D. List Attachments	9055' al, size, and numbe (8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1 0 holes) 8 holes) (still under CIBI Production Meth ed Choke Si Casing Pressur old, used for fuel, //16/08	10141' r) 18/93) 16/93) P) Tod (Flowing Ize e Calculate Hour Ra Vented, etc	PRODL g, Gas lift, pu Prod'n For Te Period ad 24- te )	JCTION mping - Siz st Oil - Oil - Bbi	BbL	Depth Interval 7893'-8060' 7758'-7840' /pe pump) Gas - MCF	Acture Frac Star Frac Spec	5040 gais 1 2500 + 167,5 4500 gais 1 tra Star 2500 Well Statu Water - Bbi Test V	Uueeze, ETC. Int and Kind 5% HCI acid 52 # 100% Wi 5% Spearhea + 106,750 # 5 (Prod Or Si 9/16/08-Cor Oil Gravity - A	Material and 120 hite 20/4 d acid a 100% W hut-In) verted 1 Gas - Oil	I Used ,372 gals Spectra IO Sand. and 119,255 gals Ihite 20/40 Sand. to SWD Ratio
ize           4"           3           3           9           4"           3           9           4"           3           9           4"           3           9           10<	9055' al, size, and numbe (8/21/93) 7120'-7146' (8/1 7350'-7360' (8/1 0 holes) 8 holes) (still under CIBI Production Meth ed Choke Si Casing Pressur old, used for fuel, //16/08	10141' r) 18/93) 16/93) P) Tod (Flowing Ize e Calculate Hour Ra Vented, etc	PRODU , Gas lift, pu Prod'n For Te Period ad 24- te ) sides of this	ICTION mping - Sizi st Oil- Oil - Bol form as true	BbL	Depth Interval 7893'-8060' 7758'-7840' 7758' 775	Frac Star Frac Spec	5040 gais 1 2500 + 167,5 4500 gais 1 tra Star 2500 Well Statu Water - Bbi Test V	ueeze, ETC. int and Kind 5% HCI acid 5% HCI acid 52 # 100% W 5% Spearhea + 106,750 # 5% Spearhea + 106,750 # 9/16/08-Cor 0/16/08-Cor 10/1 Gravity - A /itnessed By	Material and 120 hite 20/4 d acid a 100% W hut-In) averted to Gas - Oit PI (Corr)	I Used ,372 gals Spectra ito Sand. and 119,255 gals Ihite 20/40 Sand. to SWD Ratio #DIV/01

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Accepted for record NMOCD • • • • , . . .

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 composition of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including dnll stem test. All depths reported shall be measured depths. In the case of directionally dnlled 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	
Yates	476	T. Canyon	T Ojo Alamo	T. Penn "B"
Queen	1218	T Strawn	T. Kirtland-Fruitland	T. Penn "C"
Grayburg	1572'	T Atoka	T. Pictured Cliffs	T Penn "D"
San Andres	2072	T Miss ·	T Cliff House	T. Leadville
Tubb	4824	T. Devonian	T. Menefee	T. Madison
Abo	6016	T Silunan	T. Point Lookout	T Elbert
Wolfcamp	7682	T Montoya	T Mancos	T. McCracken
Cisco	8912	T. Simpson	T. Gallup	T Ignacio Otzte
Strawn	9513'	T McKee	Base Greenhorn	T Granite
Atoka	9628'	T. Ellenburger	T. Dakota	Τ
Morrow	9828'	T Gr Wash	T. Morrison	
Morrow Clastics	9965	T Delaware Sand	T. Todilto	Τ.
Lower Morrow	10104'	T. Bone Springs	T Entrada	T
Barnett			T Wingate	T
T. Wolfcamp			T Chinle	
T Penn			T Permian	
T Cisco (Bough C)		T	T. Penn "A"	1.
				OIL OR GAS

### SANDS OR ZONES

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

 Include data on rate of water inflow and elevation to which water rose in hole
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LITHOLOGY RECORD (Attach additional sheet if necessary)													
		Thicknes In				Thickness in							
From	То	Feet	Lithology	From	То	Feet	Lithology						
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Form 3160	-4		11	NITED STATE	ES		OCT O	6 2008	-	ARTES EXI 5. Lease S	FORM				
(February 2			DEPARTM	ENT OF THE	INTER			DTEO	CD-,	ARTES	OMB N	O. 1004-013 March 31, 1	37 2007		
		WELLCOM				EPORT AND	LOG	n Eg	A	5. Lease S	erial No	NM-42410			
1a. Type of	-	Oil Well	Gas We		- [] []	ither SV	VD- Order 1	135		6 If Indian,	Allottee	e or Tribe Na	me		
	b Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.,											7 Unit or CA Agreement Name and No			
2 Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP											ame and	d Well No			
3 Address 32 North Broadway 32 Phone No (include area code) 405-552-8198										9 API Wel	No.	Federal T 1		<u> </u>	
Oklahoma City, OK 73102-8260 4 Location of Well (Report location clearly and in accordance with Federal requirements)*											nd Pool	30-015-2640 , or Explorat	ON	·	
At Surface 660 FNL 990 FEL										11. Sec, T		fcamp and		<u>96136</u>	
At top p	orod Interval re	ported below								Sur	vey or A	Area 12 18S 27E			
At total	Depth									12. County Ed		sh 13. St	ate NM		
14 Date S	pudded		15 Date T	D Reached	1	6. Date Comp	oleted 9/1	5/08 - SWI 3/90 orig c	mpl	17 Elevatio	ons (DR	R, RKB, RT,	GL)*		
10	6/28/1990			/25/1990			] D & A ☑	•				34' KB; 3618			
18. Total D	TVD	)	7600'	19. Plug		D. MD TVI	614		1	epth Bridge		TV	I		
∠1 ſype E	lectric & Other I	wechanical L	.ogs Run (Su	DMIT COPY OF E	each)				as well as DST	cored? run?	マ N マ N	o TYes	(Submit ani (Submit rep		
DLL-MGRE	, SDL_DSN (or and Liner Reco	riginal logs)	l etringe eet	n well)				Di	ectiona	al Survey?	✓ N	o 🗌 Yes	(Submit cop		
	[	1		- <u></u> .		Stage Cementer				Slurry					
Hole Size 17-1/2"	Size/Grade 13-3/8"/LT&C	Wt (#/ft) 68	Top (MD)	Bottom (M 472'	0)	Depth		ks & Type 450 Sx	Cemen	t (BE	3L)	Cement T Surf	op* Amou	nt Pulled	
12 1/4"	8-5/8"/J55 5-1/2"/LT&C	32		2589'				900 Sx 430 Sx				Surf Surf			
4 3/4"	4" / L80	10.46		<u>9473'</u> 10,141'				430 SX 80 Sx		9055'					
24. Tubing	Record	I						·				I			
		0-t (MD)	Dealers Dea	+ (MD)		Death Oat (M		kar Danth (		Size	Darth	n Set (MD)	Packer De	nth (MD)	
Size 3 1/2" II	PC 6	5789'	Packer Dep 6789	- <u></u>		Depth Set (MI		ker Depth (I		5128	Depa	T SEL (IVID)	Packer De	pur (wD)	
25 Produc	Formation		Тор	Bottor		6 Perforation Perforate	Record d Interval	Si	ze	No. Holes	5	Per	f Status		
14/216-201			c000	7200						140		an for CIMD			
Wolfcamp	· <u> </u>		6868'	7360		868'-7360'				140 Open for SWD					
Cisco			7893'	7840	)' 71	893-7840'				228 Open for SWD					
Morrow			10,008'	10,05	4' 10	0,008-10,054'					Abi	andoned			
				Í							1				
D. 27 Acid, F	racture, Treatm	ent, Cement	Squeeze, Et	<u>.</u>						L					
	Depth Interval			_			Amount a	and Type of	Materia	al					
	7893-8060'					nd 120,372 ga									
	7758-7840'		Frac - 4500	gais 15% Spe	earneau	l acid and 119	,255 gais 5	pectra Sta	2500	100,750 #	100 /6 10	11110 20/40 S			
	·											<u> </u>			
20	tion - Interval A														
Date First	tion - Interval A	Hours	Test	1	T			Dil Gravity						]	
Produced	Test Date	Tested	Production	Oil BBL	Gas	MCF Water	r BBL	Corr. API		a Gravity ACCEP	ENI	FOR RE	n-Method	<b></b>	
NA Choke	Tbg Press	24			+				1			<b>.</b>		Con San	
Size	Flwg SI	Csg Press	24 Hr Rat	e Oil BBL	Gas	MCF Water		s · Oil Ratio	Wells	atus M	VIL				
	ction - Interval I	ļ		<u> </u>		<u>l</u>	—	#DIV/01		S	-1 2	9_2008			
Date First Produced	Test Date	Hours Tested	Test Production		Gas	MCF Water		Dil Gravity Corr. API	Ga	s Gravity		Productio			
							t					R. GLASS M ENGIN		1	

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Choke Size	Tbg. Press Flwg Sl	Csa Press	24 Hr Rate		Gas MCF	Woter BB1	Gas · Oil Ratio	Well Status	
	1 mg Of	039 11033	2411 Nate	OII DDL	Gasimor		Gas On Ratio		

(See instructions and spaces for additional data on reverse side)

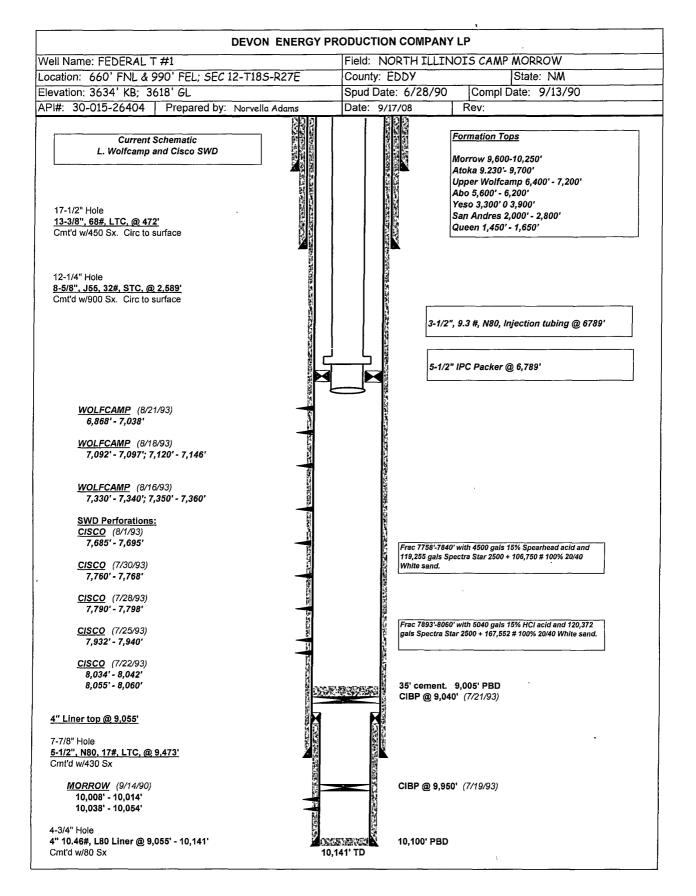
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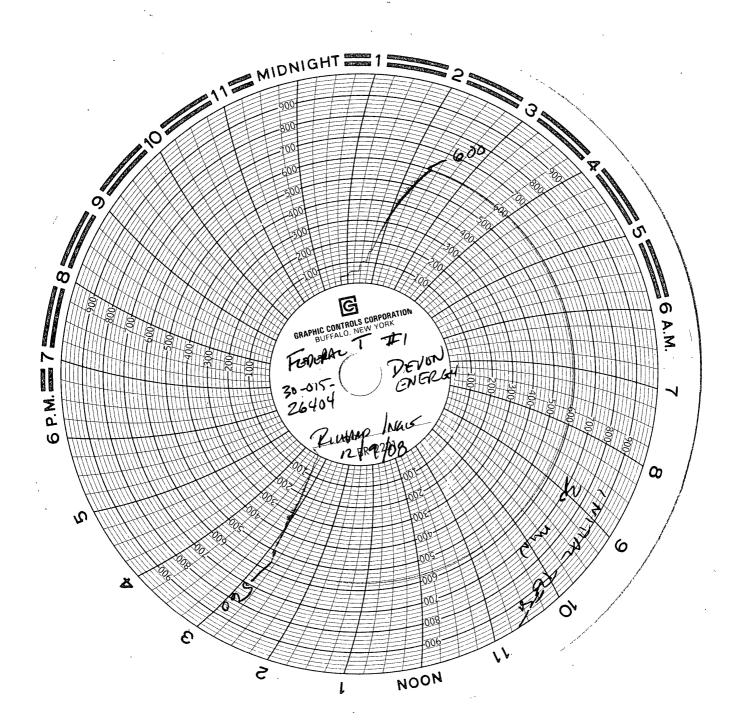
	uction - Interval (	<b>;</b>												
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water Bl	3L	Oil Gravity Corr. API	Gas Gravity	F	Production Method			
Choke Size	Tbg. Press. Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water Bl	3L	Gas : Oil Ratio	Well Status					
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	iction - Interval D													
Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water Bl	3L	Oil Gravity Corr. API	Gas Gravity	F	Production Method			
Choke Size	Tbg Press. Flwg St	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BI	3L	Gas : Oil Ratio	Well Status	- <u></u>				
	See instructions and spaces for additional data on reverse side)													
	tion of Gas (Sold			rse side)										
23. Dispusit		i, used tot tu	ei, veriteu, etc.)											
30 Summary of Porous Zones (Include Aquifers). Show all important zones of porosity and contents thereof, Cored intervals and all drill- stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.														
p.0000.00 u							[							
For	rmation	Тор	Bottom	Descrip	tions, Contei	nts, etc			Name		Top Meas Depth			
32 Addition	nal remarks (incl		procedure				San Tub Abo Wol Cisc Stra Atol Mor Mor	een yburg Andres b b ficamp co swn ka			476' 1218' 1572' 2072' 4824' 6016' 7682' 8912' 9513' 9628' 9828' 99865' 10104'			
33 Indicate	which items have	ve been attac	thed by placing a	_	ie appropriat Geologic Re		] DS	T Report	Directional Survey					
Sund 34. I hereby	ry Notice for plug certify that the f	gging and ce oregoing and	ment verification attached inform	nation is con	Core Analys				e Schematic ilable records (see att	tached in	nstructions)*			
Name (Plea	·			Adams		Title			r. Staff Engineering Te		·			
	A \	$\sim$	N /		$ \ge $									

Signature Date 9/17/2008 Title 18 U.S.C Section 100 and Title 39-U.S.C. Section 1212, make it a crime for any person knowlingly 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 (February 2005) DEPAF BUREA SUNDRY NO Do not use this forr abandoned well. US SUBMIT IN TRIP 1. Type of Well 1. Type of Well 2. Name of Operator DEVON ENERGY PRODUC 3a. Address	35	FORM APROVED OMB NO. 1004-0137 EXPIRES: March 31, 2007 5 Lease Serial No NM-42410 6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No. 8 Well Name and No Federal T 1 9 API Well No 30-015-26404			
20 North Broadway, Oklahoma City, O	K 73102	3b. Phone No. (include area 405-552-8198	a coue)	10. Field and Pool, or	
				1	
4 Location of Well (Footage, Sec., T., 660 FNL 990 FEL A 1	R., M , or Survey Description 2 18S 27E	)		L.Wolfc 11. County or Parish, Eddy	amp and Cisco State NM
12 CHECK		O INDICATE NATURE OF NO			
TYPE OS SUBMISSION	AFFROFRIATE BOX(es) T		OF ACTION	KI OK OTHER DATA	
<ul> <li>☐ Notice of Intent</li> <li>✓ Subsequent Report</li> <li>☐ Final Abandonment Notice</li> </ul>	<ul> <li>Acidize</li> <li>Alter Casing</li> <li>Casing Repair</li> <li>Change Plans</li> <li>Convert to Injection</li> </ul>	Deepen Fracture Treat New Construction Plug and Abandon	Productio	ete rily Abandon	Water Shut-Off Well Integrity Other
13 Describe Proposed or Completed Operations (C despen directionally or recomplete horzontally, give si 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). Converted to SWD. Administrative Orc 8/04/08 RU unit. ND wellhead and NU 8/05/08 Drill CIBP at 6800' and 7078'. 8/06/08 Drill CIBP at 6800' and 7078'. 8/06/08 Drill CIBP at 6800' and 7078'. 8/07/08 Ran step rate test; pumped 50 bbls at 3 bbls/min – 170# psi, pumped 4 8/08/08 Trucked in and established inj; 8/11/08 Drilled cement retainers at 774 8/12/08 Drilled cement retainers at 774 8/12/08 Drilled cement retainer at 7820 8/13/08 Perforate Cisco from 7893' – 8 167,552 # 20/40 White sand. 8/15/08 TIH with packer and set at 758 8/16/08 Frac 7758'-8060' with 4500 ga 8/18/08 Release packer. TOCH with pa/15/08 TIH with packer and tubing. S: TOOH with tubing. RIH with 3 ½' IPC to 100000000000000000000000000000000000	ubsurface location and measured and ent reports shall be filed within 30 days been completed Final Abandonment er SWD-1135 BOP. TIH with bit and drill c i', CIBP at 7300' and cement bbls at ½ bbl/min – 0# psi, p 50 bbls at 4 bbls/min – 0# psi, p 50 bbls at 4 bbls/min – 250 p ection in the Wolfcamp at 15 5', and 7780'. ' and 8000'. Circulate hole a 060', total 140 holes. TIH ar atch onto packer. Release p 2'. NU frac valve. s 15% Spearhead acid + 119 acker and tubing J. Bailed sand to 8460'. TOC et packer at 6789'. ND BOP ubing and set at 6789'. Injec	true vertical depths of all pertinent market following completion of the involved ope Notices shall be filed only after all require 	rs and zones. A rations if the op iment, including i 	itach the Bond under which the peration results in a multiple co reclamation, have been compl ded 50 bbls at 2 bbls/mir 15% HCl + 120,372 ga U wireline and perforat 100% White sand. RD aiting on tubing.	e work will be performed or provide impletion or recompletion in a new eted, and the operator has n – 75# psi, pumped 50 als Spectra Star 2500 + te Cisco from 7758'-7840';
14. I hereby certify that the foregoing is to Name Norvella Adams	ue and correct Title	Sr. Staff Engineering Te	chnician		
Signature	Date	9/17/2008			
ACCEPTED FOR RE	CORHS SPACE FOR	R FEDERAL OR STATE	OFFICE U	ISE	
Approved by S/ DAVID SEP 2 9 2008 Conditions of approval, if any are attache notice does not warrant or contify that the equitable title to those Addity in the subject	R. GLASS Title		epted to NMOC	Date 1 recoro	`
entitle the applicant to conduct or operation Title 18 U S C Section 1001 and Title 43 U S C Section representations as to any matter within its jurisdiction	Insthereon. Offic		partment or ager	ncy of the United States any fa	lse, fictitious or fraudulent statements or

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

State of New Mexico Energy, Minerals and Natural Resources

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

## **Change of Operator**

<b>Previous Opera</b>	tor Information	New Operator	Information
		Effective Date:	Effective on the date of approval by the OCD
OGRID:	6137	OGRID:	277558
Name:	DEVON ENERGY PRODUCTION COMPANY, LP	Name:	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

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.

Additionally, by signing below, LIME ROCK RESOURCES II-A, L.P. certifies that it has read and understands the following synopsis of applicable ules.

Previous Operator	$\mathcal{N}$	New Ope	rator
Signature:		Signature	C. J. Mille
Printed Name: David S.	Frank	Printed Name:	C. The Milles
Title: David S.	Frank – Attorney-in-Fact	Title:	Chief Opeanting Officen
Date: <u>12/09/20</u>	10 Phone: (405)-552-7881	Date:	12/17/10 Phone: 713 292 9514

## NMOCD Approval

Lime Rock Resources II-AE EP on String of the Angel of the Angel I ist effective 12/09/2010. Date: December 27, 2010

http://www.emnrd.state.nm.us/ocd/OCDPermitting/Report/C104A/C104AReport.aspx?Pe... 12/16/2010

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.

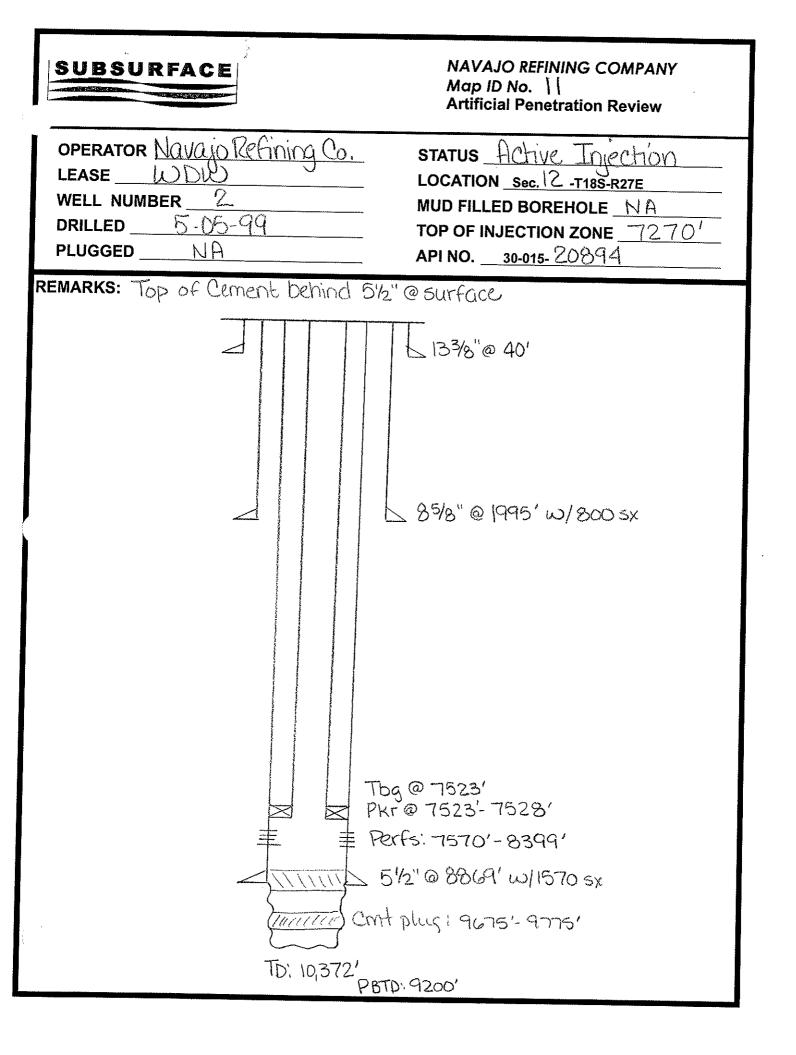
# As the operator of record of wells in New Mexico, LIME ROCK RESOURCES II-A, L.P. agrees to the following statements:

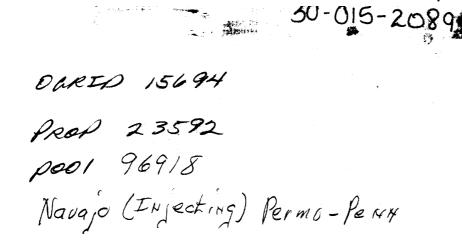
- 1. I am responsible for ensuring that the wells and related facilities comply with applicable statutes and rules, and am responsible for all regulatory filings with the OCD. I am responsible for knowing all applicable statutes and rules, not just the rules referenced in this list. I understand that 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.
- 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

http://www.emnrd.state.nm.us/ocd/OCDPermitting/Report/C104A/C104AReport.aspx?Pe... 12/16/2010

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.





Map ID 11



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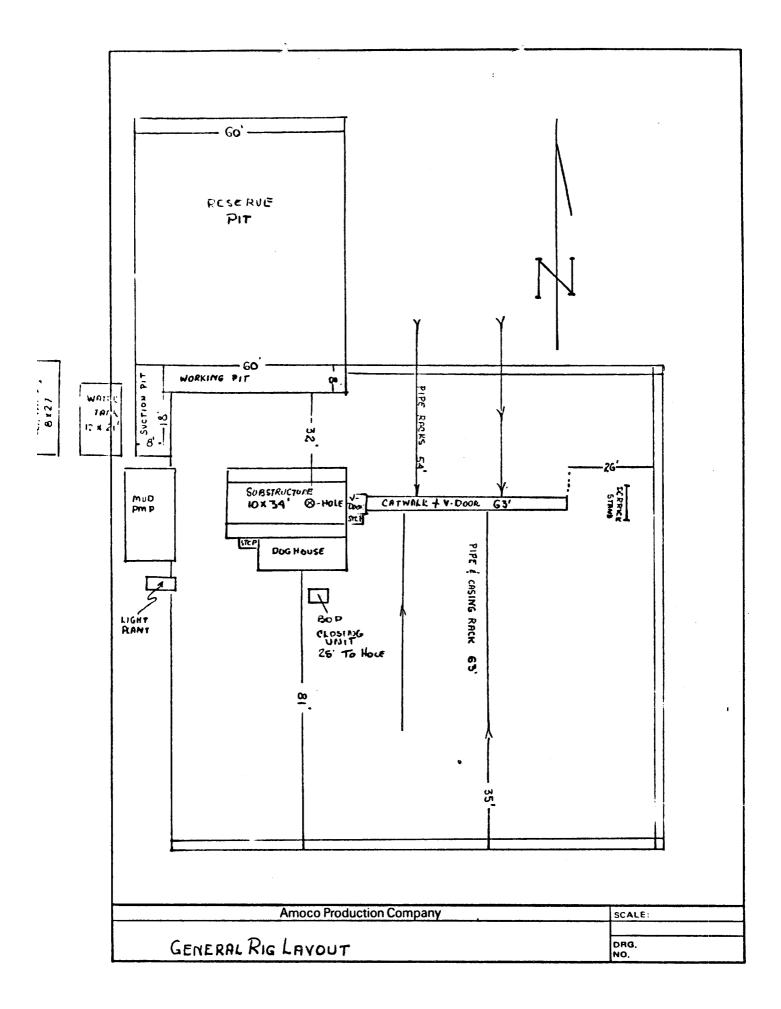
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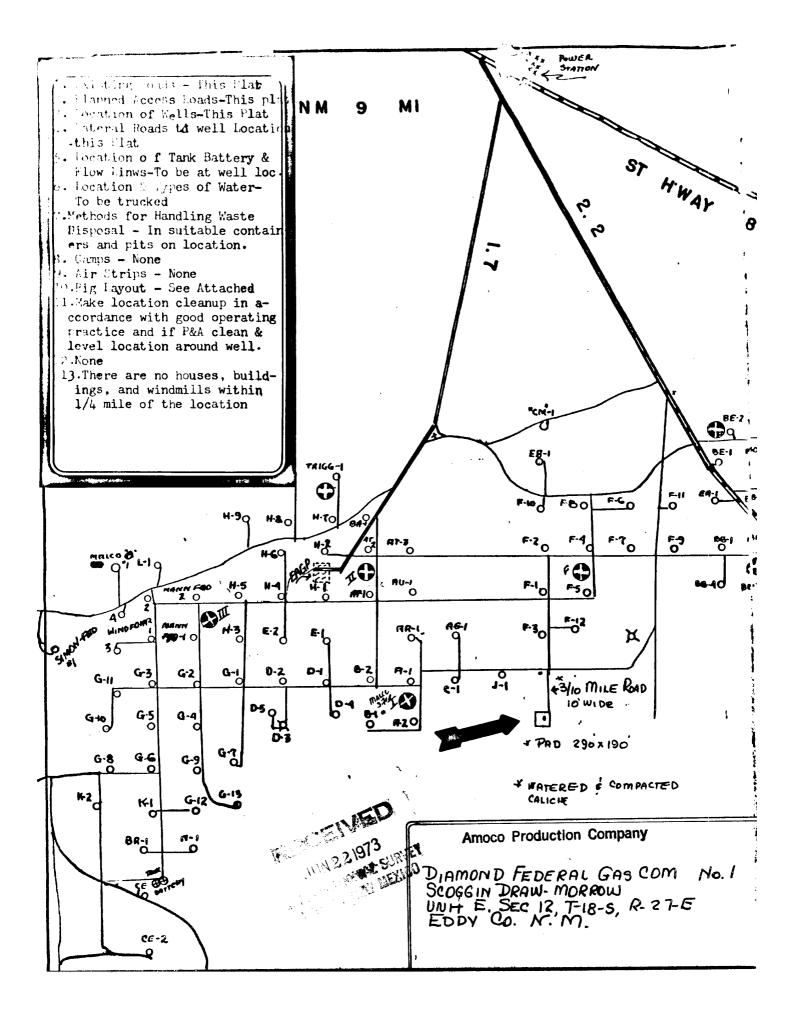
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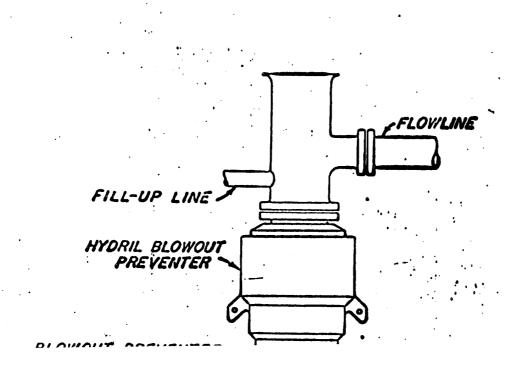
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BLOWOUT PREVENTER HOOK-UP FOR DRILLING BELOW INTERMEDIATE CASING

- 1. BLOWOUT 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 MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB. (MINIMUM: 3000 PSI WP, 6000 PSI TEST)



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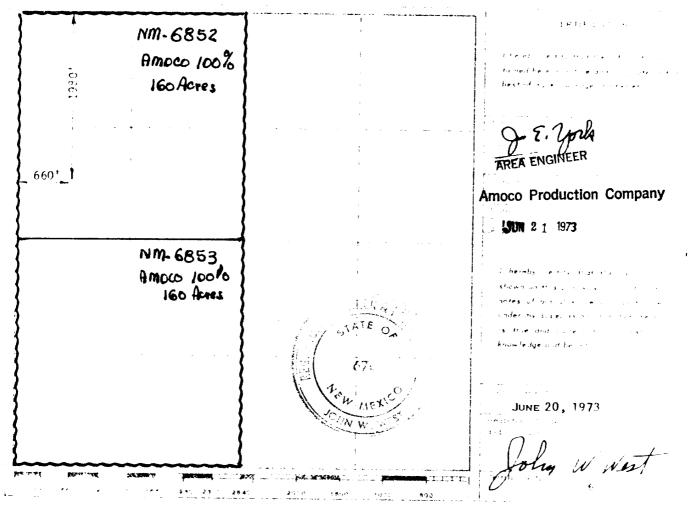
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drilling into the <u>Wolfcamp formation</u> and used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- (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-6852WellAmoco Production Co.1-Diamond Federal Gas Com.Drillsite1980/N 660/W12-185-27EDepth10,000' MorrowApprovedJuly 6, 1973

بقر



# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Drawer U Artesia, New Mexico 88210

June 22, 1973

#### NOTICE

### DRILLING WELL CONTROL REQUIREMENTS FOR DEEP WELLS DRILLED ON FEDERAL OIL AND GAS LEASES IN THE ARTESIA DISTRICT

The following requirements are established in accordance with 30 CFR 221.24, 221.36, and 221.37. Blowout preventer equipment, choke equipment, drilling fluid characteristics, drilling fluid monitors, and the conduct of drilling procedures shall be such as are necessary to prevent the blowout of any well. In addition to all other applicable rules, regulations, and accepted good operating practices, drilling shall be in accordance with the following safety requirements:

- 1. After setting the 8-5/8 inch and before drilling into the \_ casing string Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report. In addition, the pipe rams and bag-type preventer shall be actuated at least once each 24 hours and the blind rams each time the drill
- 2. Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.
- A drill scring safety valve in the open position shall be maintained 3. on the rig floor at all times while drilling operations are being
- 4. Blowout prevention drills shall be conducted as necessary to insure that each drilling crew is properly trained to carry out emergency duties.
- 5. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before

Form 9-331 C (May 1963)			COPY SUBMIT IN TR (Other Instru-		Form approv Budget Burea	ed. u No. 42-R1425
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Amoco Produc	ction Company		973	-9	WELL NO.	
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# RECEIVED

JUL 1 0 1973

P. O. Drawer U Artesia, New Maxico 88210 D. C. C. ARTESIA, OFFICE

July 9, 1973

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

Dear 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 Andres formation (approximately 2,000 feet below the surface) in your No. 1 Diamond Federal Gas Com. well on lease NM-6852 in the SWANNA sec. 12, T. 18 S., R. 27 E., N.M.P.M., Eddy County, New Mexico.

Sincerely yours,

WAR BOD JAMES & BRANT

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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Copy WS1-N. M. O. C. C. COPY UN ED STATES SUBMIT IN TRIL ATE DEPARTMENT OF THE INTERIOR OF STRUCTURE OF THE INTERIOR рроски На и Веле Кол Б. П. VSE и Пеле Ар Look 20404 March 1966 ATE\* 42 101424 MM- 6852 GEOLOG CAL SURVEY SUNDRY NOTICES AND REPORTS ON WELLS eperant use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT " for such proposals.) 7. UNIT AGREEDIENT NAME. DRILLING RECEIVED DIAMOND FED. GAS COM WELL OTHER WILL NAME O Amoco Production Company\_ JUL 2 5 1973 3. ADDRESS OF OPERATOR 9. WEGL NG BOX 68, HOBBS, N. M. 88240 To ATION OF WELL (Report location clearly and in accordance with any State requirements.) See also space 17 below.) At surface 10 FIELD AND FOOL, OR WILDCAY COGGIN DRAW- MORROW ARTESIA, OFFICE 1980 FNL × 660 FWL SEC. 12 (UNIT E, SE/4 NW/4) 12-18-27-NMPM 15. ELEV. TIONS (Show whether DF, RT, GR, etc.) 14. PERMIT NO. 3623 RDB 3607 GL EDDY 16 Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO : SUBSEQUENT REPORT OF : PULL OR ALTER CASING REPAIRING WELL TEST WATER SHUT-OFF WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING SHOOTING ORACIDIZING ABANDON\* SHOOT OR ACIDIZE BANDONMENT\* (Other) Sputating (Norrs: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) REPAIR WELL CHANGE PL. NS (Other) 17. IN SURIDE 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 drillel, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) • Nella Driglo. Spucided 11" hole 3: PM 7-18-13. On 7-22. 13, 8% OD 32" BR K-55 Casing was set @ 1955 w/ 7005x Incor 2% Gel + 100 su meat. Cire. 200 Sr. Ictor WO2 18 hours, tested casing w/ 500 ps, for 30 min. Sist O.K. educed hole to 178° @ 1955 and resumed drilling. RECEIVED JUL 24 1973 U. S. GEOLOGIONE SURVEY ABTESIA, NEW MEXICO 18. I hereby certify that the foregoing is true and correct TITLE ADMINISTRATIVE ASSISTANT Joakum DATE JUL 2 3 1973 SIGNED 44 (This space for Federal or State office use) ADDARI APPROVE TITLE DATE CONDITION 4- IJSGS- ABT ACTING DISTRICT ENGINEER See Instructions on Reverse Side 1- DIV 1- SUS P I- RR√ 1- ARCO

AUG 1 1973

Drawer 1857 Boswell, New Mexico 88201

July 24, 1973

Amoco Production Company Attention: Mr. Joe W. Durkee P. C. Box 3092 Houston, Texas 77001

Gentlemen:

Enclosed are three approved copies of communitization agreement No. Com. Agr.-SW-750 Unvolving 320 acres of land in Federal leases New Mexico 6852 and 6853, Eddy County, New Mexico.

The agreement communitizes all rights as to dry gas and associated liquid hydrocarbons producible from the Morrow formation in the Wy set. 12, T. 18 S., R. 27 E., N.M.P.M., and is effective as of June 20, 1973.

You are requested to furnish all interested principals with appropriate evidence of this approval.

Sincerely yours, ,



CARL C. TRAYWICK Acting Area Oil and Gas Supervisor

cc: BIM, Santa Fe (w/cy agr.) Artesia (w/cy agr.) Rondeau

JMonro:15



JUL 2/3 1973 U. S. BEOLOGIONI, SURVEY ARTISTA, NEW MEXICO

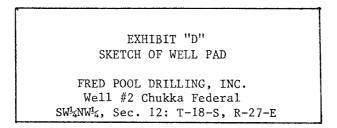
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gued for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, able Federal and/or State laws and correct well completion report and log on all types of this the use of this form and the number of copies to be in regard to local, area, or regional procedures and practices, either are shown belows or will be issued by, or may be obtained from, the local Federal astructions on items 22 and 24, and 33, below regarding separate reports for separate completions. In structions on items 22 and 24, and 33, below regarding separate reports for separate completions at directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All atta-functis m, see item 35. m, see item 35. plicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State instructions is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. It is completed for sparate production from more than one interval zone (multiple completion), so state in tem 24 show the producing s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.		GEOLOGIC MARKERS	TOP	MEAS. DEPTH TBUE VERT. DEPTH	50000000 50000000 50000000 500000000 500000000
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on all types of lan structions contern wun below or willer separate complet faillers, geologists y applicable Fedé de described in ac surements given i suurements given i multiple completi m 33. Submit a interval. y multiple stage c y multiple stage c		M TESTS, INCLUDING	-	-1	
<b>General:</b> 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 both, pursuant to applicable Federal and/or State lays and regulations. Any necessary special instructions concerning the use of this form many 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, and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not tiled prior to the time this summary record is submitted, particularly with regard to local, area, or regional procedures, either are abown body or will be issued by, or may be obtained from, and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types clocabound be listed on this form, see item 33. <b>Hene</b> 4: If there are no applicable State requirements, locations on Federal on this form land off instructions. <b>Hene</b> 4: If there are no applicable State requirements, locations on Federal or Indian land abound be described in accordance with Federal requirements. <b>Core add 24:</b> If this well is completed for separate production from more than one interval reported in accordance with Federal requirements. <b>Core add 24:</b> If this well is completed for separate production from more than one interval cost (page) on this form, and the mass and 24: If this well is completed for asparate production from more than one interval reported in laterval to be separately produced, showing the interval reported in literval. <b>Concur'</b> . Attached supplemental records for this well should be noted and the and the additional literval to be separately produced. The additional literval to be separately produced. This well should be well as		CORED INTERVALS; AND ALL DRILL-STEM 1 AND SHUT-IN PRESSURES, AND RECORDERE	DESCRIPTION, CONTENTS, ETC.		
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<b>General:</b> This form is designed for submitting a complete and correct well or both, pursuant to applicable Federal and/or State laws and regulations, submitted, purticularly with regard to local, area, or regional procedures an and/or State office. See instructions on items 22 and 24, and 33, below rega if not field prior to the time this summary record is submitted, copies of all thon and pressure tests, and directional surveys, should be attached hereto aboud be listed on this form, see item 35. <b>Hem 4:</b> If there are no applicable State requirements, locations on Federa <b>Hem 28:</b> Indice which elevation is used as reference (where not otherwi <b>Hem 28:</b> Indice which elevation is used as reference (where not otherwi <b>Hem 29:</b> "Sacks Cemat": Attached supplemental records for this well sho <b>Hem 33:</b> Submit a separate completion report on this form for each interv.	• • •	0 37. SUMMARY OF POROUS ZONES: 2. BROW ALL ARPORTANT ZONES OF POROSITI AND CONTE 2. DEFTH INTERVAL TESTED, CUBHION USED, TIME TOOL	TOP	• •	
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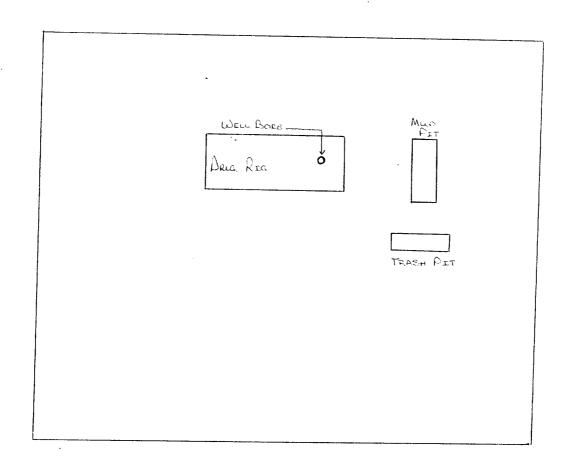
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<b>+</b> .	See also space 17 bel At surface	low.)	Sec. 12 (Uni	ARTESIA, OFFICE	10. FIELD AND POOL OF STATES	MERROW
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	· · · · · · · · · · · · · · · · · · ·		3623	R.D.B.	EDDY	N.M.
10	3.	Check Approp	mate Box To Indicc	ite Nature of Notice, Rep	ort, or Other Data	
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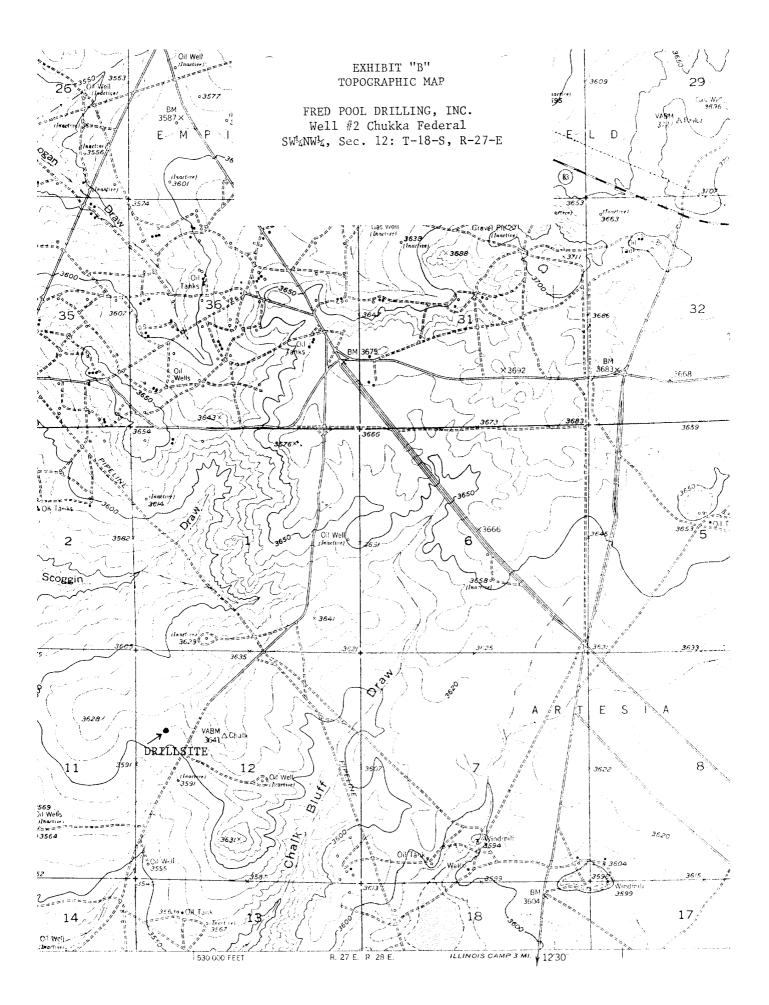
FORM OF BUREN NO. 42 R1424. 5. LEASE DESIGNATION AND BERIAL NO. N. M. O. C. C. COF UN D STATES SUBMIT IN TRIPI DEPARTMENI OF THE INTERIOR verse side) Form 9-331 (May 1963) CE. NM- 6852 GEOLOGICAL SURVEY SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.) VEB RECET 7. UNIT AGREEMENT NAME DAMOND FED. GAS COM WELL CAS HOLE )61 OTHER UNT OF OPERATOR SEP - 6 1974 Amoco Production Company 9. WELL NO. 3. ADDRESS OF OPERATOR O. C. C. BOX 68, HOBBS, N. M. 88240 LOCATION OF WELL (Report location clearly and in accordance with any State Addition the State Addition of the state of the 10. FIELD AND FOOL, OR WILDCAT SCOGGIN DRAW-MORROW 1980 FNLY 660 FWL Sec. 12 (UNIT E, SE/4 NW/4) 12-18-27 NMPM 12 15. ELEVATIONS (Show whether DF. ST. GR. etc.) 14. PERMIT NO. 3623 R.D. B. NM EDDV Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data 16. SUBSEQUENT REPORT OF : NOTICE OF INTENTION TO: REPAIRING WELL PULL OR ALTER CASING WATER SHUT-OFF TEST WATER SHUT-OF ALTERING CASING MULTIPLE COMPLETE FRACTURE TREATMENT FRACTURE TREAT 0 ABANDONMENT\* ABANDON SHOOTING OR ACIDIZING SHOOT OR ACIDIZE CHANGE PLANS (Other) REPAIR WELL (Nors : Report results of multiple completion on Well Completion or Recompletion Report and Log form.) SCRIBE 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 pertinently, this work.) \* (Other) 17. DESCRIBE youcal abandonment of wee concluded 8-31-13. gged and abandoned as follows: Sx CEMENT INTERVAL LENGTH FORMATION morrow 45 100 9775- 9765 7535 - 7435 100' Cisco 50 5556 - 5456 100 A80 40 3720 - 3620 878 CSA YESO 50 5 878° CSA 1995 - eirc erected P. A marker. 2045 - 1945 enc 40 Surface & 10 all intervals filled us mud Rocation to be cle aned & levelled.  $c_{ijk}$ 200 AV. 1 2-1 18. I hereby certify that the fo egoing is true LITLE ADMINISTRATIVE ASSISTANT 5 1973 DATE \_SEP SIG**yÆD** (This space for Federal or Spate office us 15 DATE TITLE APPROVED BY CONDITIONS OF LEPROVAL, IF ANT : alle alle ON 4- USGS SEP 6-H. L. BEEKNIMIN 1- DIV ACTING DISTRICT ENGINEER \*See Instructions on Reverse Side 1- Susp 1- RRJ 1- ARCO



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#### SUPPLEMENTAL DRILLING DATA

#### FRED POOL DRILLING, INC. WELL #2 CHUKKA FEDERAL SW4NW4, 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:

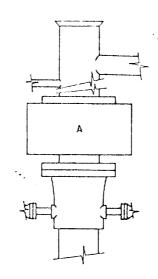
Size	Interval	Weight	Grade	Joint
8 5/8"	0 - 2000'	32#		

5. SURFACE CONTROL EQUIPMENT: Control head.

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- 6. CIRCULATING MEDIUM: KCL water.
- 7. <u>AUXILIARY EQUIPMENT</u>: None considered necessary on this shallow development well.
- 8. <u>TESTING, LOGGING AND CORING PROGRAM</u>: 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. <u>ANTICIPATED STARTING DATE</u>: 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. <u>RE-ENTRY DETAILS</u>: 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.

BLOWOUT PREVENTER ARRANGEMENT FRED POOL DRILLING, INC. WELL #2 CHUKKA FEDERAL SW42NW44, Sec. 12, T-18-S, R-27-E EDDY COUNTY, NEW MEXICO \_



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ARRANGEMENT A

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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### **JIL CONSERVATION DIVISIC**

Р. О. ВОХ 2088 SANTA FE, NEW MEXICO 37501

Form C-102 Revised 10-1-78

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Cperator Frad Paal	Drilling Inc		Lec	<b>s.</b> Chukka Fe	doral			Well No.
Unit Letter	Drilling, Inc	Township		Range	uerar	County		2
E E	12	18-S		27-E		County	4.,	
Actual Footage Li		10-5	<b></b>	27-E		Edo	1y	
1980		lorth ,		660			West	
Ground Level Eler			ine and Poo		fcet	from the	WESL	line Deliveration
3607								Dedicated Acreage:
				Artesia				40 Acre
2. If more interest	and royalty).	dedicated to t	he well, ou	utline each	and iden	atify the	ownership t	hereof (both as to workin
dated by Yes If answer this form No allowa	communitization, v X No If a r is "no," list the if necessary.) able will be assign	unitization, force inswer is "yes?" owners and trac ued to the well un	e-pooling. e type of co et descripti ntil all inte	etc? nsolidation ions which f erests have	have act	ually be	en consolid. ed (by com	all owners been consoli ated. (Use reverse side o munitization, unitization approved by the Division
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	1			l			Date	<u> </u>
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		GICAL SURVEY	LNION		30-015-20894 5. LEASE DESIGNATION AND SERIAL
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APPLIGATIO	IN OR PERMIT	O DRILL, DEE	PEN, OR PLUG B	ACK	
ARTESIAF OFFICE		DEEPEN 🗌	PLUG BAG	ск 🗆 🛛	7. UNIT AGREEMENT NAME
OIL WELL X	GAS OTHER RE	entry	SINGLE MULTIP ZONE ZONE		8. FARM OR LEASE NAME
2. NAME OF OPERATOR Fred Pool Dri		/		-	Chukka Federal 9. WELL NO.
3. ADDRESS OF OPERATOR					2
	93, Roswell, N.M. Report location clearly and		y State requirements.*)	X	10. FIELD AND POOL, OF WILDCAT Artesia Cil Pool
1980' FNL & 6 At proposed prod. zo			(Unit E)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OF	(SW <sup>1</sup> 4NW <sup>1</sup> 4) FICE•		Sec. 12, T-18-S, R- 12. COUNTY OR PARISH   13. STATE
11 air miles	east-southeast c			1 17 10 0	Eddy NM
LOCATION TO NEARE: Property or lease	ST LINE, FT.	660 '	NO. OF ACRES IN LEASE	то тн	F ACRES ASSIGNED IS WELL .0
18. DISTANCE FROM PRO	DRULING. COMPLETED.	19.	PROPOSED DEPTH		Y OR CABLE TOOLS
OR APPLIED FOR, ON T	HIS LEASE, FT.	.650'	1945'	R	Otary 22. APPROX. DATE WOBK WILL STA
3607					8-31-85
23.	P	ROPOSED CASING A	AND CEMENTING PROGRA	м	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
12/4" pip	8 5/8"	32#	2000	Circ.	·····
I	2) 3)	Supplementa Surface use	-		
	4) 5)		oproved applicati nd Federal Gas Co		moco Production Co. foot
zone. If proposal is a preventer program it a 24.	5) be proposed program : If f	for Diamon	oproved applicati nd Federal Gas Co or plug back, give data on p ta on subsurface locations an	m #1 resent produ	ctive zone and proposed new produ and true vertical depths. Give blo
zone. If proposal is preventer program a 24.	5) BE PROPOSED PROGRAM : If p o drill or deepen directional	for Diamon	oproved applicati nd Federal Gas Co or plug back, give data on p	m #1 resent produ	ctive zone and proposed new produ
zone. If proposal is the preventer program is a 24. SIGNED (This space for Fed	5) BE PROPOSED PROGRAM : If p o drill or deepen directional iny.	for Diamon	pproved applicati nd Federal Gas Co or plug back, give data on p a on subsurface locations an President	m #1 resent produ	ctive zone and proposed new produ and true vertical depths. Give blo
zone. If proposal is preventer program a 24.	5) BE PROPOSED PROGRAM : If p o drill or deepen directional iny.	for Diamon	oproved applicati nd Federal Gas Co or plug back, give data on p ta on subsurface locations an	m #1 resent produ	ctive zone and proposed new produ and true vertical depths. Give blo

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orm 9-331 May 1963) DEPA	LTED STATES	SUBMIT IN TR. ICA (Other instructions on WETERIOR verse side)	Tre- 5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOGICAL SUR		NM 6852
SUNDRY N (Do not use this form for Use "AP	IOTICES AND REPC proposals to drill or to deepen PLICATION FOR PERMIT-" f	ORTS ON WELLS or plug backter different reservoir. or such proposate CEIVED BY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL CAS WELL X WELL OTH	IBR	<b>SEP 11</b> 1985	7. UNIT AGREEMENT NAME
FRED POOL DRIL . ADDRESS OF OPERATOR	LING, INC.	O. C. D. ARTESIA, OFFICE	8. FARM OR LEASE NAME <u>Chukka Federal</u> 9. WELL NO.
P.O. Box 1393 LOCATION OF WELL (Report loca See also space 17 below.) At surface	Roswell, N.M. tion clearly and in accordance	. 88201 with any State requirements.*	2 10. FIELD AND POOL OR WHLDCAT
1980 ØNL 660 Unit E SW눛			Artesia Oll Pool 11. SEC. T. E. M., OB BLK. AND SUBVEY OR ABEA Sec. 12-T 18S- R 27E
4. PERMIT NO.	15. ELEVATIONS (Show w	hether DF, RT, GR, etc.)	12. COUNTY OF PARISH 13. STATE
	3607 GR		Eddy NM
<sup>8.</sup> Chec		icate Nature of Notice, Report,	
	INTENTION TO :		SSEQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDON MENT*
(Other)	CHANGE PLANS	(Other) (Note: Report_re	sults of multiple completion on Well
9-5-85:	Drilled cement Stringers of ce	pertinent details, and give pertinent d accelocations and measured and true ve out of surface from ment to 50 ft.	
9-5-85:	Drilled cement Stringers of ce Tagged No. 2 pl back to 1804 ft water.	pertinent details, and give pertinent d accelocations and measured and true ver out of surface from ment to 50 ft. ug at 1912 ft. Púl: .; circulated hole v	ates, including estimated date of starting any ortical depths for all markers and zones pertf 0-30 ft. led tubing with fresh
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3. I hereby certify that the foregoing Signed Sector Federal or State	Drilled cement Stringers of cer Tagged No. 2 pl back to 1804 ft water. Preparing to 10 Ing 1s true and correct Chal TITL e office use)	pertinent details, and give pertinent d acce locations and measured and true ver ment to 50 ft. ug at 1912 ft. Púl: .; circulated hole v g and perforate well	ates, including estimated date of starting any protocal depths for all markers and zones perti- 0-30 ft. led tubing with fresh 1.
9-5-85: 9-5-85: I hereby certify that the foregoing SIGNED Signed	Drilled cement Stringers of cer Tagged No. 2 pl back to 1804 ft water. Preparing to 10 Ing 1s true and correct	pertinent details, and give pertinent d acce locations and measured and true ver out of surface from ment to 50 ft. ug at 1912 ft. Púl: .; circulated hole v g and perforate well g and perforate well	ates, including estimated date of starting any protocal depths for all markers and zones perti- 0-30 ft. led tubing with fresh 1.
9-5-85: 9-5-85: 3. I hereby certify that the foregoing SIGNED	Drilled cement Stringers of cer Tagged No. 2 pl back to 1804 ft water. Preparing to 10 Ing 1s true and correct	pertinent details, and give pertinent d acce locations and measured and true ver out of surface from ment to 50 ft. ug at 1912 ft. Púl: .; circulated hole v g and perforate well g and perforate well	ates, including estimated date of starting any ertical depths for all markers and zones perti- 0-30 ft. led tubing with fresh 1. DATE <u>9-6-85</u>

DLFA	RTMEINT OF TH		R verse side)	5. LEAS	E DESIGNATION AN	D SERIAL NO.
	GEOLOGICAL	SURVET	A, NM 88210	N	IM 6852	
(Do not use this form for Use "AP	NOTICES AND R	EPORTS eepen or plus bac r" for such prop	₩ELLS k tRE@frikkE@seByIr. losals.)		DIAN, ALLOTTEE O	R TRIBE NAME
OIL GAS WELL WELL OTH	<sub>ER</sub> re-entr	у	SEP 18 1985		AGREEMENT NAME	
Fred Pool Drilli ADDRESS OF OPERATOR	.ng,Inc.		O. C. D. ARTESIA, OFFICE		or LEASE NAME	al
P.O. Box 1393 F LOCATION OF WELL (Report local See also space 17 below.) At surface	Coswell, N.M. tion clearly and in accord	88201 ance with any Sta	ate requirements.•	2	D AND POOL, OR W	
1980 FNL 660 SW국 NW국	FWL Unit E			នប	tesia di T., B., M., OB BLK BVEY OR ABEA	
PERMIT NO.	15. ELEVATIONS (S	how whether DF, RT	CP of a )		12-T185	
3001520894	3607 GR		, 08, 600.)	Eddy	TY OR PARISH 1	<sup>3.</sup> state NM,
Check	Appropriate Box To	ndicate Nat	ure of Notice, Report,	or Other Dat	a	····
NOTICE OF	INTENTION TO :			BSEQUENT REPOR		
TEST WATER SHUT-OFF	PULL OR ALTER CASIN	fa	WATER SHUT-OFF		REPAIRING WELL	
SHOOT OR ACIDIZE	MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CASIN	G
AEPAIR WELL	ABANDON* Change plans		SHOOTING OR ACIDIZING	X	ABANDONMENT*	
(Other)			(NOTE: Report re			
nent to this work.) *	rectionally drined, give si	ubsurface location:	etalls, and give pertinent d s and measured and true ve	lates, including ( ertical depths fo	estimated date of or all markers and	starting any d zones perti-
September	· · ·	ubsurface location:	s and measured and true vo	ates, including ( ertical depths fo		starting any
September	8,1985			(ates, including ertical depths fo		starting any
September Perforati Acidized gallons V	.ons: 1446-56 14 shot	, 5 ft. and 25.				starting any
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga Versage1; 30,	ft. and s. 11ons NE 000# 20/4	1459-62			starting any
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand.	ft. and s. 11ons NE 000# 20/4	1459-62			starting any
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand.	ft. and s. 11ons NE 000# 20/4	1459-62			starting any
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand.	ft. and s. 11ons NE 000# 20/4	1459-62			starting any d zones perti-
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand.	ft. and s. 11ons NE 000# 20/4	1459-62			starting any d zones perti-
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand.	ft. and s. 11ons NE 000# 20/4	1459-62			starting any d zones perti-
September Perforati Acidized gallons V 12,000 #	0ns: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand.	ft. and s. 11ons NE 000# 20/4	1459-62			starting any d zones perti-
September Perforati Acidized gallons V 12,000 # Pumping w	8,1985 ons: 1446-56 14 shot with 1000 ga ersagel; 30, 10/20 sand. ell back to	ft. and s. 11ons NE 000# 20/4	1459-62			starting any d zones perti-
September Perforati Acidized gallons V 12,000 # Pumping w hereby certify that the foregoin	8,1985 ons: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand. ell back to	ft. and s. 11ons NE 000# 20/4 test.	1459-62			
September Perforati Acidized gallons V 12,000 # Pumping w hereby certify that the foregoin IGNED	e 8,1985 ons: 1446-56 14 shot with 1000 ga ersagel; 30, 10/20 sand. ell back to	ft. and s. 11ons NE 000# 20/4 test.	1459-62 15%; and30,00 0 sand and	0 SE 0		
September Perforati Acidized gallons V 12,000 #	ans: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand. Tell back to to file use) FOR RECORD	ft. and s. 11ons NE 000# 20/4 test.	1459-62 15%; and30,00 0 sand and	0 SE 0	в9-11-8	
September Perforati Acidized gallons V 12,000 # Pumping w hereby certify that the foregoin Hono for Federal or State PROVED BY ACCEPTED CONDITIONS OF APPROVAL, A	ans: 1446-56 14 shot with 1000 ga ersage1; 30, 10/20 sand. Tell back to to file use) FOR RECORD	ft. and s. 11ons NE 000# 20/4 test.	1459-62 15%; and30,00 0 sand and	0 SE 0 DAT	в9-11-8	

RECEIVED B	Y	U. ITE					N DU: .CAT (See of t	E*	Form Budg	n approved. et Bureau No. 42-R355.6
<b>a</b>	_ DEPAF	RTMENT C				२	structio	ns on	DESIGN	ATION AND SERIAL N
SEP 23 198	5	GEOLOGIC	CAL SU	RVEY				NM 68	52	
WELL DC	OMPLETION	N OR RECC	MPLET	ION I	REPORT	A٢	D LOG	C ID INDI		LOTTEE OR TRIBE NAM
ARTESTACOMI		ELL GAS WELL	a	RY	Other <u>RE-</u>	en	try	7. UNIT AC	REEMI	ENT NAME
NEW WELL	WORK D	EEP- PLOG N BACK			Other			8. FARM O	R LEAS	SE NAME
2. NAME OF OPER. Fred		illing,Ind						9. WELL N	ka_	Federal
3. ADDRESS OF OP		0,				<del>42-4-4</del> **: <sub>2</sub> **			2	2
	Box 1393	Roswel				,		10. FIELD	AND PO	OPL, OR WILDOAT
4. LOCATION OF W At surface 1						emer	nts)*	Artes		
		50 FWL SV	NE NWE	Un	it E			11. SEC., T OR ARE		., OR BLOCK AND SULVE
At top prod. in 1446- f At total depth	terval reported t.	below						Sec. 1	2-1	118 <b>5-</b> R27E
1912 ft			14. PE	RMIT NO.		DATE	ISSUED	12. COUNTY PARISH	or	13. STATE
				15208		9-3	30-85	Eddy		NM
15. DATE SPUDDED $\alpha = 2.0 - 9.5$	16. DATE T.D.		TE COMPL.	(Ready t	10.			RKB, RT, GR, ETC.)*	19	. ELEV. CASINGHEAD
8-30-85 20. TOTAL DEPTH, MI	9-6-85	UG, BACK T.D., MD 4	-10-85	IF MIT	TIPLE COMPL.		07 GR	ALS ROTARY TO		3607 GR
1912 ft		912. ft	44	HOW M	ANY*		23. INTERV DRILLE	DBY	018	CABLE TOOLS
24. PRODUCING INT			P, BOTTOM.	NAME (M	ID AND TVD)*		>	.   X		25. WAS DIRECTIONAL
Penrose 26. TYPE ELECTRIC Compense								· · · · · · · · · · · · · · · · · · ·	27.	NO WAS WELL CORED
28. CASING SIZE	WEIGHT, LE	CAS			ort all strings	set i				
			ET (MD)		LE SIZE			TING RECORD		- AMOUNT PULLED
8 5/8	32#	2000		<b>_</b>			circula	ilea		0
									·	
29.	I	LINER RECORI	)	1	I		30.	TUBING REC	ORD	
S12E	TOP (MD)	BOTTOM (MD)	SACKS CE	MENT*	SCREEN (MI	»)	SIZE	DEPTH SET (		PACKER SET (MD)
			-				2 3/8	1804 f		
31. PERFORATION RI	COBD (Interval,	ize and number)	ļ 		32.	AC	UD. SHOT F	ACTURE, CEMEN	TT 80	HEFZE FEC
1/// 5/	<i>с.</i> ,				DEPTH INT					MATERIAL USED
1446-56 1459-62		holes			1446-			1000 gal.	NE	15%, 30,00
1499 02	1.L. I.				1459-			gal. Versa		······································
										2,000# 10/2
33.*	<u></u>			DUCT	LOBICY			sand.		· · · · · · · · · · · · · · · · · · ·
DATE FIRST PRODUC	FION PRO	DUCTION METHOD (	Flowing, go		UCTION mping-size c	ind t	upe of pumn)	( WRT.T	STAT	US (Producing or
9-12-8		umping						sh	ut-in)	
DATE OF TEST	HOURS TESTER		PROD'N		OIL-BBL.		CAS-MCF.	WATER-BB		LCING GAS-OIL BATIO
9-12-85	2.4	none	TEST 1		31		TSTM	C		
FLOW. TUBING PRESS.	CASING PRESS	TRE CALCULATED	OIL-B	<sup>вв.</sup> 31	GAS <del>C</del> A	TM	TED FOR	NECOND	1	GRAVITY-API (CORE.)
34. DISPOSITION OF		r fuel, vented, etc.	)		1 10		Aux	TEST WITNE	-	
vented		·				S	EP 1 a 1	og Fred H	, 00]	l, Jr.
35. LIST OF ATTACE		trop los	i1		10-95	_ ~				
36. I hereby certify	that the forego	tron log,	nd LLC	10 y-		đa-	1. Antonnation 1.	nom all a still be		
ciring ciring	)		mormatici	is combi	ers unf dainte	r+, <b>n</b> €3	oderer in fied't		record	8
SIGNED 2	rala Jo	od (	TIT	rle <u>Vi</u>	<u>ce Pres</u>	id	ent	DAT	Е	9-13-85

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

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**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 both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of cogles to be submitted, present to the either themse to intervet and sy, below regarding sparate reports for separate completions. The prior form, the local frederal from, the local react 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 laws and regulations. Any necessary special instructions concerning the use of this summary record is submitted, provedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal from 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 lits form, and regulations of regulations are item 35. There are no applicable Federal and/or State laws and regulations. All attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments frem 4. If there are no applicable State requirements, locations on Federal of the described in accordance with Federal requirements. Consult local, are there are no applicable for specific instructions in and are required to represented in terval completions. State intervals, top(s) and mane(s) (if any) for only the interval completion, so state in item 24 show the producing for each additional interval. To such a submit a separate report (page) on this form, adeparately derified, interval, top(s) and mane(s) (for any the additional data perturents are additional data perturents. Take, additional data perturents are additional data perturents are addited and to submit a separate report (page) on this form, adeparately

GEOLOGIC MARKERS	dur	MEAS DEPERTURNED BEAM		
38. GEOI		NAME		*
NUM ALL MAUNITAT ZONES OF PONDERT AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PERSSURES, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.		Caliche and red bed Salt, red bed and anhydrite. Dolomite and anhydrite Sand dolomite	dolomite
SHUW ALL INPULLANT ZONES OF POROSITT AND CONTEND DEFTH INTERVAL TESTED, CUSHION USED, TIME TOOL C	MOTTOR		65 1100 1365 1570	1912
TANT ZONES OF PC TESTED, CUSHION	TOP		0 65 1100 1365	1570
DEPTH INTERVAL	FORMATION		Queen & Grayburg	D

GPO 680-147

LERGY AND MINERALS DEPARTMENT				Form C-1 Revised	
DILLAIPUTION		EVATION DIVIS			
	RECEIVED BY FE	NEW MEXICO 8750	1		
U.1.U.8.	SEP 18 1985				
LAND OFFICE OIL	REQUEST	FOR ALLOWABLE			
OPEMATOR I	O. C. D. ANTHORIZATION TO TRA	AND ANSPORT OIL AND NAT	URAL CAS		
PROMATION OFFICE	TRIESHA, GIHIERI IO III				
Fred Pool Dril	ling,Inc.				
P.O. Box 1393 Reason(1) for Liling (Check proper b		01 Other (Plea	se explain)		
😳 🐨 🛄 🔛 Re-en			CASINGHEAD C	A TOULA 20	
Recompletion		y Gan	CASINGHEAD G		
Change in Ownership	Casinghead Gas Co	ondensate	FLARED AFTER		
I change of ownership give name and address of previous owner			UNLESS AN EXC [HE B. L. M. IS C		DM
DESCRIPTION OF WELL ANI	) LEASE	4			
Lease Name Chulchin Endown 1	Well No. Pool Name, Inclust		Kind of Lease		Levas
Chukka Federal	2 Artesia <del>Oi</del>		State, Federal or Fee	Federal	6852
Ualt Letter E : 10	980 Feel From The North	Line and <u>660</u>	Feel From The	est	
Line of Section 12- T	mahip 185 Flange	27E , NMP	M. Eddy		Co
ESIGNATION OF TRANSPOL Name of Authorized Transporter of O	RTER OF OIL AND NATURAL		to which approved copy	of this form is t	
Navajo Crude O			esia, N.M. 88		
Hane of Authorized Transporter of C	asinghead Gas . or Dry Gas	Address (Give address	to which approved copy	of this form is to	be sent)
Phillips Petro	and the second second second second second second second second second second second second second second second	Bartlesvill			
If well produces oil or liquida, give location of tanks,	Unit Sec. Twp. Rge. E 12 188 27		ted7 <sub>i</sub> When I		
this production is commingled w OMPLETION DATA	ith that from any other lease or po		er number:		
Designate Type of Complet	ion - (X)	I New Well Workover	Deepen Plug B	ack Some Hest	v. Diff. P
Date Spudded	Date Compl. Ready to Prod.	Total Depth			<u>:X</u>
8-30-85	9-10-85	1912 ft.	Р.В.Т.	12 ft.	
lovations (DF, REB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing		
<u>GR 3607</u>	Penrose	1446 ft.			
1459-62	••		Depth (	Casing Shoe	
1429 04	TUBING, CASING, A	AND CEMENTING RECOR	 ۲D		
HOLE SIZE	CASING & TUBING SIZE	DEPTHS		SACKS CEM	INT
11''	875	3000	······	<u> </u>	
				Pac	ID-
	1 6.375	1804		9-	27-85
EST DATA AND REQUEST F	OR ALLOWABLE (Test must be able for this	e after recovery of total value depth or be for full 24 hours	r)	be equal to or 🛠	Partop c
late First New Oil Run To Tanks	Date of Test	Producing Method (Flow	v, pump, gas lift, etc.)		N
9-12-85	9-12-95 Tubing Pressure	Casing Pressure	Choke	5110	(A)
24 hrs.	40#	40#	none		
Actual Prod. During Test	Oil-Bbie.	Water-Bbls.	Gas - Mi		
31 bbls	31	0	TST	4	
GAS WELL					
Actual Prod. Tool-MCF/D	Length of Test	Bbls. Condensate/MMC	F Gravity	of Condensate	
TSTM	24hrs.	TSTM	-		

TSTM	24hrs.	TSTM	-	
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size	
			none	
CERTIFICATE OF COMPLIAN	NCE	DIL CONSERVATION DIVISION SEP 24 1985		
Division have been complied with			riginal Signed By Les A. Clements	

TITLE \_\_\_\_ Supervisor, District Li

11

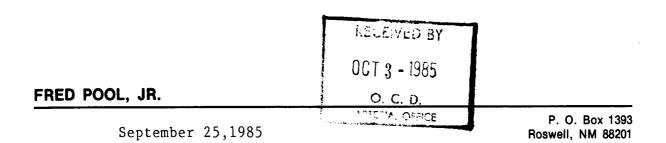
This form is to be filed in compliance with MULE 1104.

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

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

Fill out only Sections I, II, III, and VI for changes of ov-well name or number, or transporter, or other such change of condit

Separate Forma C-104 must be filed for each pool in mult enmoleted wells.



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,

Genta Goal Penta Pool

STATE OF NEW MEXICO ENERGY AND MINERALS DEPAR'LUENT

#### **OIL CONSERVATION DIVISION**

Drawer DD Artesis, MM.

DISTRICT OFFICE #2

Sept. thru Dec. 1985 NO. 2058 N

. M

### 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, Chukka Federal #2-E-12-18-27 in the Artesia 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 AMER DISTRICT SUPERVISOR

La construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la construction de la constructi 

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> 化合物管理 建酸乙酸化合物

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•	m 3160-5 vember 1983) rmerly 9-331) UTED STATES SUBMIT IN TI DEPARTMENT OF THE INTERIOR verse side) BUREAU OF LAND MANAGEMENT						Point approved Budget Bureau Expires Augus 5. LEASE DESIGNATION NM 6852	No. 1004-013 t 31, 1985	5
(De	SUND not use this for	RY NOT	ICES AND RE	PORTS ON ben or plug back t	WELLS o a different reservoi us.)	Lr.	6. IF INDIAN, ALLOTT	SE OR TRIBE NAME	
I. OIL WELL	X CAS WELL	OTHER	/		RECEIVED	)	7. UNIT AGREEMENT N	A JI E	
2. NAME O	F OPERATOR		/				8. FARM OR LEASE NA	ME	-
THE E	ASTLAND O	IL COMPA	NY 🖌		OCT 19 '9	0	CHUKKA FED	ERAL	
3. ADDRESS	OF OPERATOR						9. WBLL NO.		
P. O. DRAWER 3488, MIDLAND, TX 79702 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. D. See also space 17 below.) ARTESIA, OFFICE UNIT LETTER E, 1980 FT. FNL AND 660 FWL, SECTION 12, TS 188,							2 10. FIELD AND POOL, OR WILDCAT ARTESIA Q-G-SA 11. SEC., T., B., M., OR BLK. AND SUBVEY OR ABEA		
	27E, EDDY (			-		-	SEC. 12, TWP	_	27E
14. PERMIT 30-01	NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5-20894					12. COUNTY OR PARIS EDDY	н <b>13. втате</b> NM	_	
16.		Check A <sub>f</sub>	opropriate Box To	Indicate Natur	e of Notice, Repo	ort, or O	ther Data		
	NOT	ICE OF INTEN	TION TO :	1		SUBSEQUI	ENT REPORT OF :		
FRACTU			PFLL OR ALTER CASING Multiple complete Abandon® Change plans		WATER SHUT-OFF FRACTURE TREATME SHOOTING OR ACIDIZ (Other) CHANGE (NOTE: REPOR Completion or	OF OP	BEPAIRING ALTERING ABANDONME ERATOR of multiple completion tion Report and Log fo	ASING NT <sup>•</sup> X on Well	

LEASE PURCHASED FROM FRED POOL DRILLING, INC. 09/01/90.

ARES 0c1 11 11 109 M 190 RECEIVED Ŋ 18. I hereby certify that the foregoing is true and correct L DATE 10/11/90 PRODUCTION SUPERINTENDENT SIGNED TRAILIS\_ s de TITLE \_ \_\_\_ ... (This space for Federal or State office use) APPROVED BY \_\_\_\_\_ CONDITIONS OF APPROVAL, IF ANY: TITLE \_\_\_\_ DATE \_\_\_\_

#### \*See Instructions on Reverse Side

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.

	<u>_</u> *			
Submit 5 Copies Appropriate District Office	State of N Energy, Minerals and Nat	lew Mexico tural Resources Department	RECEIVED	Form C-104 Revised 1-1-89 See Instructions
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVA	ATION DIVISION	OCT 18 '90	at Bottom of Page
DISTRICT II P.O. Drawer DD, Anesia, NM 88210 DISTRICT III	Santa Fe, New M	ox 2088 Iexico 87504-2088	C. C. D.	
1000 Rio Brazos Rd., Aztec, NM 8741	REQUEST FUR ALLOWA	BLE AND AUTHORIZA L AND NATURAL GAS	ATION <sup>RTEMA, OTTICE</sup>	
I. Operator THE EASTLAND OIL			Well API No. 30-015-2089	94
Address	8, MIDLAND, TEXAS 79702			
Reason(6) for Filing (Check proper box New Well	change in Transporter of:	Other (Please explain,	)	
Recompletion Change in Operator	Oil Dry Gas Casinghead Gas Condensate	EFFECTIVE 09/		
If change of operator give name	ED POOL DRILLING, INC., P	. O. DRAWER 1393,	ROSWELL, NM 882	01
II. DESCRIPTION OF WEL Lease Name CHUKKA FEDERAL	L AND LEASE Well No. Pool Name, Includ 2 ARTESIA Q-		Kind of Lease	Lease No. 6852
Location E	.1980	North 660		WestLin
Unit Letter	:Feet From The	Line and	Feet From The	Ydd
Section 12 Town	ship Range Range	, NMPM,		County
II. DESIGNATION OF TRA	ANSPORTER OF OIL AND NATU	JRAL GAS Address (Give address to which	h approved copy of this forr	n is to be sent)
Name of Authorized Transporter of Oil NAVAJO CRUDE OIL PU		BOX 159, ARTESIA	A, NM 88210	
Name of Authorized Transporter of Can PHILLIPS PETROLEUM		Address (Give address to which BARTLESVILLE, OF	h approved copy of this form	n is to be sent)
If well produces oil or liquids, ive location of tanks.	E 12 18S 27E	Is gas actually connected? NO	When ?	
f this production is commingled with th V. COMPLETION DATA	hat from any other lease or pool, give comming	ling order number:		······································
	Oil Well Gas Well	New Well Workover	Deepen   Plug Back  S	ame Res'v Diff Res'v
Designate Type of Completic Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.	AA
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth	
Perforations			Depth Casing	Shoe
		CENTING RECORD		
HOLE SIZE	TUBING, CASING AND CASING & TUBING SIZE	CEMENTING RECORD DEPTH SET	SA	CKS CEMENT
HOLE SIZE				
/. TEST DATA AND REQU	EST FOR ALLOWABLE		l	
OIL WELL (Test must be afte	er recovery of total volume of load oil and mus	t be equal to or exceed top allown Producing Method (Flow, pumy	able for this depth or be for n. gas lift, etc.)	full 24 hours.)
Date First New Oil Run To Tank	Date of Test	Tromeing Menios (From, puri		posted ID 10-26-90
length of Test	Tubing Pressure	Casing Pressure	Choke Size /	10-26-90
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF	Chg OP
GAS WELL	·	Bbis. Condensate/MMCF	Gravity of Cor	idensate
Actual Prod. Test - MCF/D	Length of Test			
esting Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size	
VI OPERATOR CERTIFI	ICATE OF COMPLIANCE		SERVATION D	IVISION
I hereby certify that the rules and rea	gulations of the Oil Conservation			
Division have been complied with an is true and complete to the best of m	is that the information given above is knowledge and belief.	Date Approved	OCT 2 3 199	U
Annis Leed	·	By ORIGIN	AL SIGNED BY	
Signature REED PROD	HCTION SUPERINTENDENT		HELADAS	

IKAVIJ KLLD	1100001100.0012000000000000000000000000	3.18.5.1.6.3.5.4.1.5.1.1.3.4.6.6.6.5.7.7.2.2.5.e.
Printed Name	Title	Title SUPERVISOR DISTRICT I
10/08/90	915/683-6293	
Date	Telephone No.	
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Laboration 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.

<u>District I</u> 625 N. French Di	r., Hobbs, N	M 88740	Er	Sta ergy, M	ite of New Minerals & Na	Mexico Jatural Resources				Revised March 12, 1999		
IL South First, Artusin, NM 88210 In South First, Artusin, NM 88210 Interiet III 000 Rio Brazus Rd., Azlee, NM 87410 Santa Fe. 1						2324 252	binit to A	State	ate District Office Lease - 6 Copies Lease - 5 Copies	f) 91		
<u>lærict IV</u> 140 South Pache	•			()))		12	APR 19	چې ۱۹	<u>}</u> ] ⊏	AMEN	DED REPORT	
	NOITA	FOR PF	RMIT	TO DRI	LL. RE-EN	TER, DEE	EFEIM	<b>ED</b> UGBA	ζ CK, C	DR AD	D A ZONE	
Navajo R				Operator Nan	ne und Address,		<del>) - AR</del> T	ESIA .	8	- 00	GRID Number 694	
Post Offic						$\sim 2c_{c}$		cl/	Ĺ		API Number	
Artesia, N			1				<u>/991</u>			30 – 0	15-20894	
	erty Code				· · · ·	ruperty Name					4 Well No.	1
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	1570				<sup>7</sup> Surface	Location				•		_
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Lewer	Welfca	mp Cisco	-Canyo	n Injectio	on-Zone	Navajo	<u>/nje</u>	CTION	; <u>Per</u>	M0-	renn.	J
								case Type Co			and Level Elevation	٦
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	centry whiple		SS I Inj		1	mation "Contractor				<sup>36</sup> Spud Date	1	
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						and Cement	Progra			<b></b>		-1
Hoke S	Size	Cusin	y Size		ng weight/foot	Setting De			of Cement	· · · ·	Estimated TOC	
11			/8"	32 lb/ft		1995 feet			800		Surface	
7.7/	8"	5-1	<i>p</i> "		17 lb/ft 9200 feet C			Caliper vol. +20%		Surface		
" Describe the p	monosed proci	am. If this app	ication is to	DEEPEN or P	LUG BACK give th	e data on the present	productive	zonc and pro	posed new	productive z	one. Describe the	
Idoacout occurat	ion program.	if anv. Use ned	tional sheets	; jf necestary,								
Proposed R	leentry of	The East	and Oil	Company Iroduction	Company Di	amond Federa	i Gas C	om. No. 1	I (OTD	10.372	(PBTD 1912 feet feet, P&A Augus	st
September 31 1973).	The well	currently p	roduces o	oil and gas	from perfora	tions from 144	6 feet to	o 1462 fee	t (Penro	sc.)	, <b>,</b>	
1 .											o 9200 fect. set 5	
Navajo wil	I squeeze	the periora	tions from	in 1440 le	et to 1402 tee	ate norous inte	rvals in	the Low	er Wolf	camp, C	o 9200 fect, set 5 lisco, and Canyor	n
Formations	s between	7270 feet a	nd 9200	feet, and o	conducted inje	ectivity tests.				• ·	-	
Attached a												
<sup>33</sup> 1 hereby corti		ormation given	above is true	and complete	to the best of	O	L CO	NSERV	ATION	DIVIS	SION	
my knowl <b>edge</b> Signature:		MN				Approved by:	2	ene	W	Sun	N B6X	
Printed name:	Dece	Moor	P C C C C C C C C C C C C C C C C C C C			Title:		Vie	hiet	Sige	wisor	
Tille: Lau	Mar -	for Wat		Juste		Approval Date:	5-3	-99	Expiratio	ni Date: <	5-3-00	
Date		CE WAL	Plume:	5-748-	2214	Conditions of Appro	val :		<b>h</b>			
4/21	99		50	5-748-	3311	Attached						

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PIN CUIN	100 106	16,00 1								
<u>District I</u> 1625 N. French Dr.	., 11obbs, NN	1 88240	En	ergy, Min	State of Nev erals & Natura	v Mexico I Resources Depar	tmen.		Revised	Form C-102 March 17, 1999
District II Bill South First, Arlesia, NM 88210 District III 1000 Rio Brazos Rd., Aziec, NM 87410				OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505			N Su	bmit to A	State I	e District Office Lease - 4 Copies Lease - 3 Copies
District IV 2040 South Pachece	o, Sunta Fe,	NM 87505 W	ELL LO	CATION	N AND ACF	EAGE DEDIC	ATION PLA	л [	AMEN	IDED REPORT
·····	PI Number			<sup>1</sup> Pool Code			<sup>1</sup> Pool Nu	BC		
30-0	015-208	94		Lower Wolfcamp-Cisco-Canyon Injection Zone						n Zone
Property C				Property Name					/ell Number	
				WDW-2						
'OGRID	No			Operator Name					•	Elevation
UNRID .				Navajo Refining Company				36	607' GR	
					<sup>10</sup> Surface	Location			\$	
UL or lot no.	Section	Township	Runge	Lot Idu	Feet from the		Feet from the	Eas	t/West line	County
E E	12	18S	27E		1980	North	660	W	est	Eddy
<b>_</b>		L	<sup>11</sup> Bo	ttom Hol	le Location I	f Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the		Feet from the	Eas	t/West line	County

# NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION -

· ·

• • •

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" Order No.

" Consolidation Code

" Joint or Infill

" Dedicated Acres

	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the hyformation contained herein is true and complete to the best of my knowledge and belief
1980'	
< 660'→•	Signature Decrell Moore Printed Name Decrell Moore Title Env Mgr. for Water a Waster Date 4/21/99 <sup>18</sup> SURVEYOR CERTIFICATION
	SURVETUR CERTIFICATION [ hereby certify that the well location shown on this plat was plotted from field notes of actual surveys muche by me or under my supervision, and that the same is thue and correct to the best of my belief.
	Date of Survey Signanue and Seal of Professional Surveys: Well is active. Location was not re-surveyed by Navajo.
	Certificate Number

378\Form C-102.doc

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| 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 SAX 748-9720                                |
| From: WAYNE PRICE - OCD SF   |
| Date: 4/30/99  |
| Number of Pages (Includes Cover Sheet) 76                              |
| Message: APPRIVED BOND FOR NAVAJO WOW #2                               |
| CLASS I INSECTION WELL (COPY)  |
|  |
|  |
|  |
|  |
| If you have any trouble receiving this, please call:<br>(505) 827-7133 |
|  |



# NEW MEX ) ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fé, New Mexico 87505 (505) 827-7131

....

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

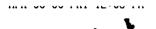
The New Mexico Oil Conservation Division hereby approves the above-captioned One-Well Plugging Bond.

Sincerel

RAND CARROLL, Legal Counsel

RC/wp

cc: OCD Artesia Office Gulf Insurance Company





# J. S. Ward & Son, Inc.

101 South Fourth Street (505) 745-2796 FAX (505) 746-4244 Artesia, New Mexico 88210-2195

April 22, 1999

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 Simon

SGS:emb

Enclosure

cc: Navajo Refining Company Post Office Box 159 Artesia, New Mexico 88211-0159 Attention: Mr. Joe Akins - Copy of Bond & Invoice

OVER 60 VELOS

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د. ساله ا

2.6

Randa Bonda

| Navajo Rei_ding Company  | Gulf Insurance Company   |
|--|--|
| PRINCIPAL  | SURETY   |
| Post Office Box 159  | 101 South Fourth Street  |
| Aftesia, New Mexico 88211  | -0159 Artesia. New Mexico 88210-2195   |
| 1. 151 .11   | /Address .   |
| By Ciff IK c   | A Muy min  |
| President  | V Accorney-In-Fact   |
| Title  |  |
| (Note: Principal, if corporation, affix  | <b></b>  |
| corporate seal here.)  | (Note: Corporate surety affix corporate seal<br>here.)   |
|  |  |
|  |  |
| ACKNOHLEDGEH   | PNT FORM FOR NATURAL PERSONS   |
| STATE OF)  |  |
| COUNTY OF) **.   | · · ·  |
| On this day of   | ••   |
| , to   |  |
| andered the locatorial matiment and t  | acknowledged that he (they) executed the same as his (their)   |
| THE OCL BID GEED.  |  |
| IN WITNESS WHEREOF, I have hereunte  |  |
| First shows surfaces   | set my hand and seal on the day and year in this certificate   |
| first above written.   | set my hand and seal on the day and year in this certificate   |
| first above written.   | Notary Public  |
| The source willion.  |  |
| first above written.<br>My Commission Expires  |  |
| The source willion.  |  |
| Hy Commission Expires  |  |
| My Commission Expires  | Notary Public  |
| Hy Commission Expires  | Notary Public  |
| My Commission Expires<br>ACKNOWLEDGE<br>STATE OF New Mexico<br>COUNTY OF Eddy  | Notary Public<br>BAENT FORM FOR CORPORATION  |
| My Commission Expires<br>ACKNOWLEDCE<br>STATE OF New Mexico )<br>COUNTY OF Eddy )<br>On this 22nd day of An  | Notary Public<br>WENT FORH FOR CORPORATION   |
| ACKNOWLEDGE<br>My Commission Expires<br>ACKNOWLEDGE<br>STATE OF <u>New Mexico</u> )<br>STATE of <u>New Mexico</u><br>State of <u>New</u> | Notary Public<br>MENT FORM FOR CORPORATION<br>2711 . 19.99, before me personally appeared<br>to me personally known who, being by me duly sworn, did say<br>of Navajo Refining Commany and which the   |
| My Commission Expires<br>ACKNOWLEDCE<br>STATE OF <u>New Mexico</u><br>COUNTY OF <u>Eddy</u><br>COUNTY OF <u>Eddy</u><br>as.<br><u>On this 22nd day of At</u><br><u>Jack P Reid</u><br>that he is <u>President</u><br>going instrument was signed and sealed  | Notary Public<br>Notary Public<br>WENT FORM FOR CORPORATION<br>Dril  |
| My Commission Expires<br>ACKNOWLEDCE<br>STATE OF New Mexico<br>COUNTY OF Eddy<br>On this 22nd day of Ar<br>JACK P. Raid<br>that he is President 's<br>going instrument was signed and scaled<br>directors, and acknowledged said instrument  | Notary Public<br>Notary Public<br>Dril , 1999, before me personally sppeared<br>to me personally known who, being by me duly sworn, did say<br>of <u>Navajo Refining Company</u> and that the fora-<br>on behalf of said corporation by authority of its board of<br>man to be the free act and deed of said corporation   |
| My Commission Expires<br>ACKNOWLEDCE<br>STATE OF New Mexico<br>COUNTY OF Eddy<br>On this 22nd day of Ar<br>JACK P. Raid<br>that he is President 's<br>going instrument was signed and scaled<br>directors, and acknowledged said instrument  | Notary Public<br>Notary Public<br>WENT FORM FOR CORPORATION<br>Dril  |
| My Commission Expires<br>ACKNOWLEDCE<br>STATE OF New Mexico<br>COUNTY OF Eddy<br>On this 22nd day of Ap<br>JACK P. Raid<br>Una freesident of<br>going instrument was signed and scaled<br>directors, and schowledged said instrum<br>IN WITNESS WHEREOF, I have berrunto   | Notary Public<br>RENT FORM FOR CORPORATION<br>PT11 , 19 99, before me personally appeared<br>to me personally known who, being by me duly sworn, did say<br>so Mavajo Refining Company and that the fora-<br>on behalf of said corporation by authority of its board of<br>sent to be the free act and deed of said corporation.<br>set my hand and seal on the day and year in this certificate<br>Shife Bushley  |
| My Commission Expires<br>ACKNOWLEDGE<br>STATE OF New Mexico<br>COUNTY OF Eddy<br>On this 22nd day of Ar<br>Jack P Reid<br>that he is <u>President</u> of<br>going instrument was signed and scaled<br>directors, and acknowledged said instrum<br>IN WITNESS WHEREOF, I have hercunto<br>first above written.  | Notary Public<br>Notary Public<br>Dril , 1999, before me personally appeared<br>to me personally known scho, being by me duly sworn, did say<br>of Navajo Refining Company and that the fors-<br>on behalf of said corporation by suthority of its board of<br>want to be the free act and dead of said corporation.<br>set my hand and seal on the day and year in this certificate<br>Notary Public Corporation Strain   |
| My Commission Expires<br>ACKNOWLEDGE<br>STATE OF New Mexico<br>COUNTY OF Eddy<br>On this 22nd day of Ar<br>Jack P Reid<br>that he is <u>President</u> of<br>going instrument was signed and scaled<br>directors, and acknowledged said instrum<br>IN WITNESS WHEREOF, I have hercunto<br>first above written.  | Notary Public<br>BERT FORM FOR CORPORATION<br>Dril <u>1999</u> , before me personally appeared<br>to me personally known who, being by me duly sworn, did say<br>of <u>Navajo Refining Company</u> and that the fora-<br>on behalf of said corporation by authority of its board of<br>ent to be the free act and dead of said corporation.<br>s set my hand and seal on the day and year in this certificate<br>Motary Public <u>OFFICIAL SPAL</u><br>Rith Readle |
| My Commission Expires<br>ACKNOWLEDGE<br>STATE OF New Mexico<br>COUNTY OF Eddy<br>On this 22nd day of Ar<br>Jack P Reid<br>that he is <u>President</u> of<br>going instrument was signed and scaled<br>directors, and acknowledged said instrum<br>IN WITNESS WHEREOF, I have hercunto<br>first above written.  | Notary Public<br>Notary Public<br>DITI , 1999, before me personally appeared<br>to me personally known who, being by me duly sworn, did say<br>of <u>Navajo Refining Company</u> and that the fora-<br>on behalf of said corporation by authority of its board of<br>set my hand and seal on the day and year in this certificate<br>Notary Public<br>Notary Public<br>Notary Public<br>NOTARY PUBLIC STATE OF NEW   |
| ACKNOWLEDCE<br>My Commission Expires<br>ACKNOWLEDCE<br>STATE OF New Mexico<br>COUNT OF Eddy<br>On this 22nd day of An<br>JACK P Reid<br>president<br>of<br>going instrument was signed and sealed<br>directors, and acknowledged said instrum<br>IN WITNESS WEREOF, I have hereunto<br>first above written.<br><u>1-16-2001</u><br>My Commission Expires   | Notary Public<br>Notary Public<br>Dril   |
| ACKNOWLEDCENERT FOR  | Notary Public<br>Notary Public<br>DITI , 1999, before me personally appeared<br>to me personally known who, being by me duly sworn, did say<br>of <u>Navajo Refining Company</u> and that the fora-<br>on behalf of said corporation by authority of its board of<br>set my hand and seal on the day and year in this certificate<br>Notary Public<br>Notary Public<br>Notary Public<br>NOTARY PUBLIC STATE OF NEW   |
| ACKNOWLEDCENERT FOR  | Notary Public<br>Notary Public<br>Dril   |
| ACKNOWLEDCE<br>My Commission Expires<br>ACKNOWLEDCE<br>STATE OF New Mexico<br>COUNT OF Eddy<br>On this 22nd day of An<br>JACK P Reid<br>president<br>of<br>going instrument was signed and sealed<br>directors, and acknowledged said instrum<br>IN WITNESS WEREOF, I have hereunto<br>first above written.<br><u>1-16-2001</u><br>My Commission Expires   | Notary Public<br>Notary Public<br>Dril   |

Attorney-in-Fact of Gulf Insurance Company and that the foregoing instrument was signed and scaled on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation. IN WITNESS WHEREOF, I have barewanto set by hand and seal on the day and year in this certificate first above written. first above written.

-10-01 Hy Commission Expires

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(Note: Corporate surety attach power of attornsy.)

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APPROVED BY ERVATION DEVISION OF A orr of EXICO

Edurina M. Bismlett. HOLARY PUBLIC

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OFFICIAL SEAL EDWINA M. BRAMLETT NOTARY PUBLIC STATE OP NEW MEXICO My Commission Expired (\_\_\_\_\_\_\_)

#### 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 surely, any and all bonds and undertakings of suretyship. , not to exceed \$250,000.00 or any bond where the penalty is not stated in the bond form. No 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 affective July 1, 1983, and now in full force and effect;

1, 1203, and normal formation of the second second second of any Voc President, or the Secretary, or any Assistant Secretary may appoint Allo represent the Compony and to accent a behalf within the scope of the authority granted to them, in writing, which authority dualy include the power to mail rys-in-lact in any state, i ary ar í el district to nly staty include the power to make, execute, seal and deliver on behall of this Conunity, and es its act and doed, any and all bonds and undertakings of sunstyship and other documents that the ordinary course of surety business may require, including sufficiency to appoint a cas of process in any jurisdiction, state or ledoral, and authority to attest to the signature of the President, or any Sonior Vice President, or any Vice President, or the Socratary, or any Assista as surely, and as its act and deed, any and all bonds and undertakings of autotyship and other docu or units Company, int agents for the nt Come to verify any alifability of other statement relating to the foregoing, and to corrify to a copy of any of the byters of the Company and to any resolutions adopted by its Board of Directors; and any outh may in-lact may be removed and the authority granted him service by the Prosident, or any Service Top President, or any Yice President, or any Service by the Board and to ve of Distances 

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 signature of the President, or of any Senior Vice President, or of any Vice President, or of the Secretary, or of any Assistant Secretary, and the seal of the Company m of ed ball the signature of the President, or of any Senior Noe President, or of any Yoce President, or of the Secretary, or of any Associant accretary, and her senior to be company may on any one answer or to any power of allowing or to any conflicate relating thereto appointing. Attorneys-in-fact for purposes only of executing and affesting bonds and undertakings and other writings obligatory in the next, including any such power of allowing and conflicate revolving the authority of the longering Attorneys of allowing of a strategy of allowing of the senior bonds and undertakings and other writings obligatory in the identification of the senior bond of allowing the authority of the longering Attorneys of allowing of the senior bonds and undertakings and other writings obligatory in the identification of the senior bond of allowing the authority of the longering Attorneys of allowing of allowing of the senior bonds and undertakings and other writings obligatory in an identification of the senior bond of allowing the authority of the longering attorney of allowing of the senior bonds in any juradiction, identification of allowing and senificate revolving the authority of such agents; and any such power of allowing senior bonds and binding upon the Company at the any such power of allowing senior bonds and and upon the Company at the author of the senificate obligatory is the senification of allowing upon the Company at the ned and is the luture with respect to any band or undertaking to which they are estached."

, 19<sub>91</sub>.

any of June

ol, the Company has caused this Power of Attorney to be signed and its corporate seal to be alfixed by its authorized officer this

1801 . before me, a Notary Public of the Siz by the lifst duly swom according to law, did ga 600 A HAD TIL ing by -It that he knows the soal of said company; that the soal atfixed to such insur, bubscabed to the said instrument by the authority and direction of said comp

(SE/ 05 77177 0-30-35 6. 30ch

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IFXAS V of DALUES

Cliffere R. Beard .1992

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 rasolutions are true and correct transcripts from the records of GULF INSURANCE COMPANY and that the above named officer was on the date Ecution of the foregoing Power of Attorney authorized to execute this Power of Attorney.

and alliand the corporate seal of Gull insurance Company this

22nd day of April

. 1999.

April 12

La No-larg Acchil

Form 0 & G 8-1 Ad 4 6-17-77 Re 11-01-89

#### STATE OF NEW MEXICO

#### ONE-WELL PLUGGING BOND

#### FOR CHAVES, EDDY, LEA, MCKINLEY, RIO ARRIBA, ROOSEVELT, SANDOVAL, AND SAN JUAN COUNTIES ONLY

BOND NO. 58 96 12 ANOURT OF BOND \$95,000.00 COUNTY Eddy

NOTE: For wells less than 5,000 feet deep, the minimum bond is \$5,000.00\* For wells 5,000 to 10,000 feet deep, the minimum bond is \$7,500.00\* For wells more then 10,000 feet deep, the minimum bond is \$10,000.00

\*Under certain conditions, a well being drilled under a \$5,000.00 or \$7,500 bond may be permitted to be drilled as much 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 permitted to go to 10,500 feet. (See Rule 101)

File with 011 Conservation Division, P. O. Box 2088, Santa Fe 87501

KNOW ALL MEN BY THESE PRESENTS:

Navajo Refining Company That \_, ANXALANA ANALANA ANALANA (a corporation organized in the State of <u>New Mexico</u>, with its principal office in the city of Artesia, State of New Mexico and authorized to do business in the State of New Mexico), as PRIMCIPAL, and \_\_\_\_\_ Gulf Insurance Company corporation organized and existing under 4 the laws of the State of Missouri ....., and authorized to do business in the State of New Mexico, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Division of New Maxice pursuant to Section 70-2-12, New Maxico Statutes Annotated, 1978 and no/100ths Compliation, as amended, in the sum of <u>Ninety-Five Thousand</u> Dollars lawful money of the United States, for the payment of which, well and truly to be made, said PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heratofore or may hereafter enter into oil and gas lease, or carbon dioxide (CO<sub>2</sub>) gas leases, or halium gas leases, or brine mineral leases with the State of New Mexico; and

WHEREAS, The above principal has heretofore or may beteafter enter into oil and gas lesses, or carbon diaxide (CO\_) gas lesses, or helium gas lesses, or brine mineral lesses on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals; and

HIEREAS, 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 <u>9200</u> feet, to prospect for and produce oil or gas, or carbon dioxide (CO<sub>2</sub>) gas or helium gas, or does own or may acquire, own or operate such well, or such well started by other's on land embraced in said State oil and gas leases, or carbon dioxide (CO<sub>2</sub>) leases, or helium gas leases, or brine minerals, and on land individuals, the identification and location of said well being being <u>1980' FNL and 660' FWL</u>. Section <u>12</u>, Township <u>18</u> <u>BNEMEXE(South)</u>

Range 27 (East) HANN, M.M.P.H., Eddy County, New Mexico.

NOW, INEREFORE, If the above bounden principal and surety or either of them or their successors or essigns, or any of them, shall ping said well when dry or when 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, gos, brine, and water in the strate in which they are found, and to prevent them from escaping into other strate;

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 sealed 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<br>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<br>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



WF



# **REFINING COMPANY**

EASYLINK 62905278 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).

An Independent Refinery Serving . . . NEW MEXICO • ARIZONA • WEST TEXAS • NORTHERN MEXICO 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

> 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:<br>Lease:       | The Eastland Oil Company (September 1990 to present)<br>Chukka Federal No. 2          |
| Former Operator:                  | Fred Pool Drilling Company (August 1985 to September 1990)                            |
| Former Operator:<br>Former Lease: | Amoco Production Company (July 1973 to August 1985)<br>Diamond Federal Gas Com. No. 1 |
| Location:                         | 1980' FNL, 660' FWL (SW/4 NW/4, Unit Letter E) 12-<br>T18S-R27E                       |
| Topographic Map (Attachn          | nent A) $(3^{2})^{-123456}$   |

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 committed

ENVIROCORP SERVICES & TECHNOLOGY, INC. 7020 PORTWEST DRIVE, #100 HOUSTON. TEXAS 77024 713/880-4640 FAX 713/880-3248 Mr. Barry Hunt Bureau of Land Management March 30, 1999 Page 2

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,

naucy J. niemann

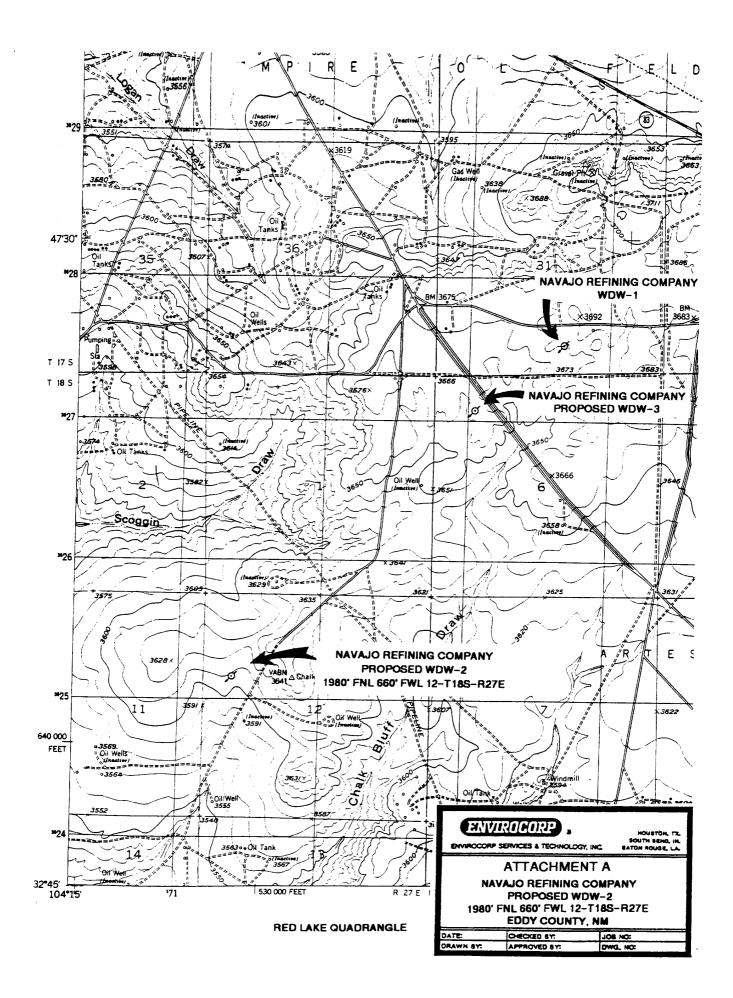
Nancy L. Niemann Senior Geologist

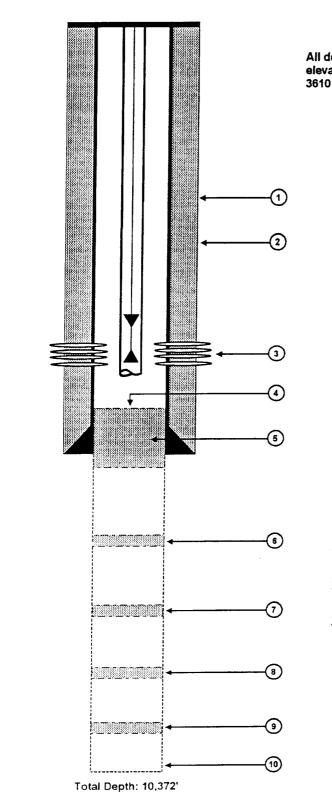
NLN/paf Attachments

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.

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# **BELOW GROUND DETAIL** All depths are referenced to the kelly bushing elevation of 13 feet. The surface elevation is 3610 feet. 1. Base of the USDW at 473'. 2. Casing: 8-5/8", 32 lb/ft, set at 1955' in an 11" hole. Cemented to surface with 700 sacks of cement. 3. Perforations: 1446' - 1462'. 4. PBTD: 1912'. 5. Cement Plug: 40 sacks from 1912' to 2045'. 6. Cement Plug: 50 sacks from 3620' to 3720'. 7. Cement Plug: 40 sacks from 5456' to 5556'. 8. Cement Plug: 50 sacks from 7435' to 7535'. 9. Cement Plug: 45 sacks from 9675' to 9775'. 10. Hole Size: 7-7/8". HOUSTON,TX. ENVIROCORP SOUTH BEND, IN. BATON ROUGE, LA. ര

ATTACHMENT III-2 NAVAJO REFINING COMPANY CURRENT WELL CONFIGURATION CHUKKA FEDERAL No. 2

Date: 03/10/99 Checked By: NLN Job No.: 60A4937 Drawn By: LKM Approved By: NLN File: WDW2A.DS4

# 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

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Subsurface Technology, Inc.

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#### 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  $H_2S$  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).

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Subsurface Technology, Inc.

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### **ATTACHMENT C (Continued)**

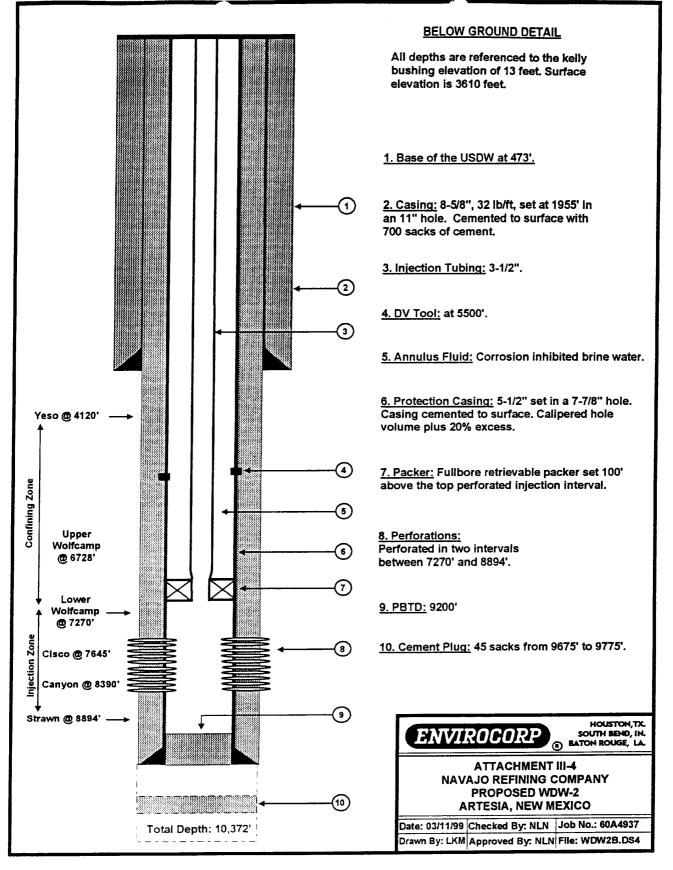
- 24. Run a retrievable bridge plug and packer into the well and isolate Zone 2.
- 25. Acidize Zone 2 using diverters. Pull the retrievable bridge plug and packer out of the well, laying down the work string.
- 26. Conduct an injection test down the 5-1/2 inch casing at 420 gpm for 12 hours followed 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.

ENVIROCORP

Subsurface Technology, Inc.

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#### **CONDITIONS OF APPROVAL - DRILLING**

Operator's Name: <u>Navajo Refining Company</u> Well No. <u>2 - WDW</u> Location: <u>1980' FNL & 660' FWL</u> sec. <u>12</u>, T. <u>18 S.</u>, R. <u>27 E.</u> 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: <u>5-1/2</u> 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</u> <u>surface.</u>

#### **III. PRESSURE CONTROL:**

1. Before drilling into the <u>100 foot 8-5/8 inch surface casing shoe cement plug at approximately 1912 feet</u>, 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 <u>3000</u> psi.

3. After drilling into the <u>100 foot 8-5/8 inch surface casing shoe cement plug at approximately 1912 feet</u> and before drilling into the <u>100 foot Abo cement plug at approximately 5450 feet</u>, 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.

Ruch Strong Topsoil Stockpile Š S Ś ŝ 1991 00£ Living Areas Parking Navajo Refining WDW-2 1980' FNL, 660' FWL 12-T18S-R27E Eddy County, NM Parking 300 feet Note: No Cut Nor Fill Will Be Required Layout of Typical Drilling Rig Mud Tank **Pipe Racks** Pumps Catwalk 0 Mud Tank **Reserve Pit** Z Scale 1"=50 ft Stockpile annan an 11111 anner 1 current. Ś Courses. 11111

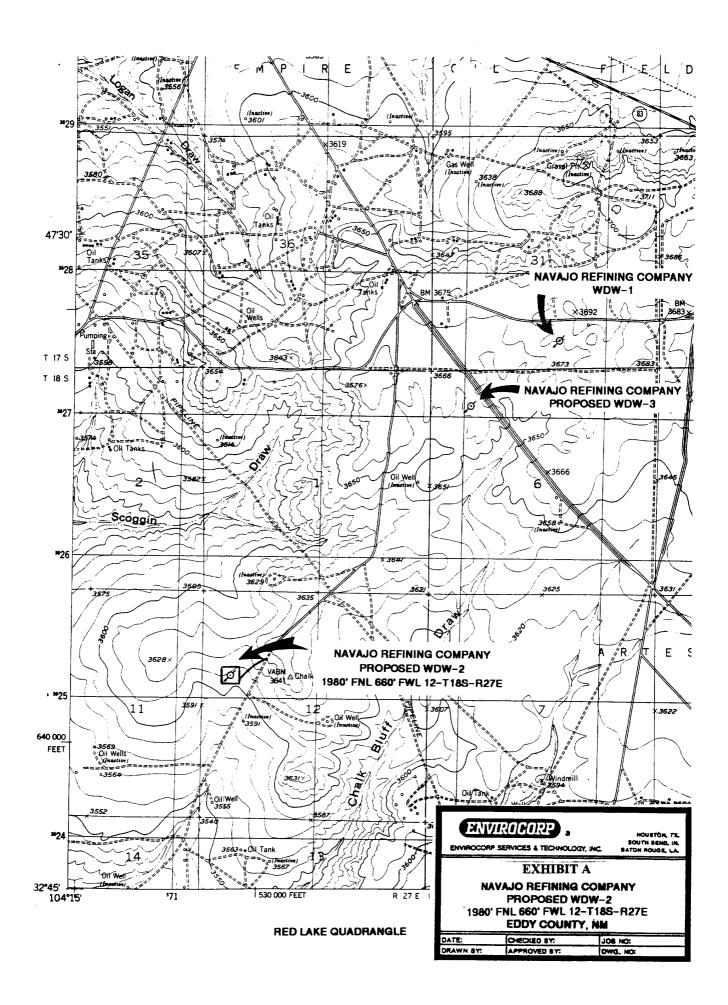
Subsurface Technology, Inc.

**EXHIBIT C** 

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| PROPOSED WDW-2  |              |  |  |  |  |  |
| 1980' FNL, 660' FWL 12-T18S-R27E                        |              |  |  |  |  |  |
| DATE:4/7/99 CHECKED SY: JO                              | B NO:        |  |  |  |  |  |
| DRAWN BY: NLN APPROVED SY: DW                           | g. No:       |  |  |  |  |  |

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. <u>Existing Roads</u>: Existing roads that lead to the proposed drillsite are shown on Exhibit A.
- 2. <u>Access Roads To Be Constructed</u>: No new access road is proposed.
- 3. <u>Location of Existing Wells</u>: 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. <u>Source of Construction Materials</u>: Materials required for construction of the site will be taken from a state-owned pit.
- 7. <u>Methods of Handling Waste Disposal</u>:
  - 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.

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- 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. <u>Wellsite Layout</u>:
  - 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.

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- 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. <u>Operator's Representatives</u>: Representatives responsible for assuring compliance with the approved Surface Use Plan:

3

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

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ENVIROCORP .

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#### 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 Date

Darrell Moore Darrell Moore Env. Mgr. Sr Wator - Waste

Navajo Refining Company

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#### **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

2



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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.

- 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.

3

15. Stabilize the 5-1/2 inch casing at the surface using ready-mix cement.



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- 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 H<sub>2</sub>S 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.

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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:

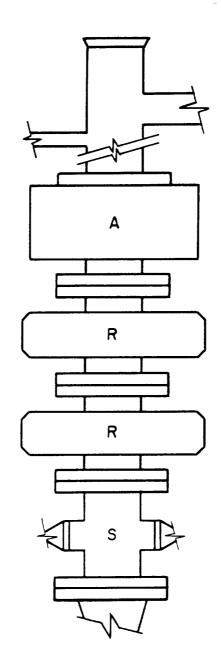
|   | ······································  |   |
|---|---|---|
| HOLE/CASING   | OPEN-HOLE LOGS  | CASED-HOLE LOGS   |
|   | Proposed WDW-2  |   |
| 11 inch Surface Borehole<br>(8-5/8 inch Casing)<br>1995 feet        |   | Logs Run in 1973:<br>Gamma Ray  |
|   |   | Logs Proposed on Reentry:<br>Cement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

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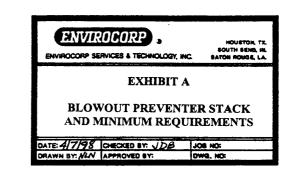
A = ANNULAR-TYPE BLOWOUT PREVENTER 11-inch throughbore, 3000-psi working pressure

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- 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 3160-3<br>(July 1992)  | •••••  | ED STATE   | -   | (0   | MIT IN TR   | tions on<br>de)  | FORM APP<br>OMB NO. 1<br>Expires: Febra  | 04-0136   |
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|   |  | isposal Wel  |   |  | MULTIP  | <b>X</b>   | 8. FARM OR LEASE NAME WE   |   |
| NAME OF OPERATOR  |  |  |   |  |   |  | WDW-7  | 2   |
| Navajo Refini   | ng Company   | 15694  |   |  | 252622  |  | 9. AR WELLING  |   |
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| Post Office E   | lox 159, Artesia<br>report location clearly and  | New Mexic  | <u>:0 88</u>  | 216 requirem   | ents.*)   | _ <b>∽</b> ∖ l'  | L. Wolfcamp-Ci   | sco-Canyon  |
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| Federal No. 2<br>Diamond Feder<br>produces oil<br>Navajo will s<br>and clean out<br>surface, perf<br>between 7270<br>Attached are | try of the East<br>(PBTD 1912 feet<br>al Gas Com. No.<br>and gas from per<br>queeze the perfor<br>the well to 920<br>orate porous int<br>feet and 9200 fe<br>the Well Location<br>UBJECT TO<br>INSTATE AND R-<br>E PROFOSED FROGRAM: If<br>inter the or suburface location | c, Septembe<br>1 (OTD 10,<br>cforations<br>prations fr<br>00 feet, se<br>cervals in<br>set, and co<br>on Plat, Dr<br>16HT OF | r 10,<br>372 f<br>from<br>om 14<br>t 5-1<br>the I<br>nduct<br>illin | 1985) f<br>eet, P&A<br>1446 feet<br>46 feet<br>/2 inch<br>ower Wol<br>injecti<br>ng Progra | ormerly<br>August<br>t to 14<br>to 1462<br>casing<br>fcamp,<br>vity te<br>m, and<br>APPROV<br>ENERA | Amoco<br>31, 19<br>62 feet<br>feet,<br>at 9200<br>Cisco,<br>sts.<br>Surface<br>AL SUB,<br>L REQU | Production Cor<br>(Particle Control of the set | ant plugs<br>ent plugs<br>ent to the<br>rmations<br>$0 \le T = 10 - 1$<br>5 - 28 - 99<br>10 - entry |
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| PERMIT NO.  | not warrant or cartily that the app  | licant bolds legal or et   |   |  |   | nese which wo  | uld entitle the applicant to co  | educt operations there  |
| Application approval does<br>CONDITIONS OF APPROVAL   |  |  |   |  |   |  |  |   |
|   | G. SGD.) DAVID R.  | GLASS  | ₿ <b>y</b> ₿,c  | ETROLE   | UM ENG  | INEER  | APR 27   | 1999  |
| APPROVED BY   |  | "See Instru  | ctions  | On Reverse   | Side  |  |  | - of the  |

the 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 sector sector false fictivious or fraudulent statements or representations as to any matter within its jurisdiction.

| District I<br>1625 N. French Dr.  | ., Hobbs, NM | 1 88240  | Rev   | vised ?                | Form C-102<br>March 17, 1999 |                            |                       |            |         |   |  |
|---|--------------|----------|---|------------------------|------------------------------|----------------------------|-----------------------|------------|---------|---|--|
| District II<br>811 South First, Ar<br>District III<br>1000 Rio Brazos Re                  | ·            |          | OIL CONSERVATION DIVISION Submit to App<br>2040 South Pacheco |                        |                              |                            |                       |            | State L | e District Office<br>ease - 4 Copies<br>ease - 3 Copies |  |
| District IV<br>2040 South Pachec  | o, Santa Fe, |          |   | TATION                 |                              | EAGE DEDIC.                | ATION PLA             | - السبندية | MEN     | DED REPORT  |  |
| <u> </u>  | PI Number    |          |   | <sup>1</sup> Pool Code |                              |                            | <sup>1</sup> Pool Nar |            |         |   |  |
| 1   | 015-208      |          |   |                        |                              | Lower Wolfca               | mp-Cisco-C            | anyon Inje | ection  | n Zone  |  |
| * Property (  | Code         |          | _1  |                        | <sup>5</sup> Property N      | Property Name 'Well Number |                       |            |         |   |  |
|   |              |          |   |                        | WDW                          | WDW-2                      |                       |            |         |   |  |
| 'OGRED  | No.          |          | * Operator Name * Eleva                                       |                        |                              |                            |                       | Elevation  |         |   |  |
|   |              |          |   | Na                     | vajo Refining                | g Company                  |                       |            | 36      | 07' GR  |  |
| L   |              |          |   |                        | <sup>10</sup> Surface        | Location                   |                       |            |         |   |  |
| UL or lot no.   | Section      | Township | Range   | Lot Idn                | Feet from the                | North/South line           | Feet from the         | East/We    | st line | County  |  |
| E   | 12           | 18S      | 27E   |                        | 1980                         | North                      | West                  |            | Eddy    |   |  |
| L   | 1            | 1l       | <sup>11</sup> Bot   | tom Hol                | e Location If                | Different From             | n Surface             |            |         |   |  |
| UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the |              |          |   |                        |                              |                            | East/We               | st line    | County  |   |  |

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| <sup>4</sup> Dedicated Acres | Joint or | rInfill 🔤 🥵 | Consolidation Cod | e <sup>15</sup> Ord | der No. |   |      | 1   |
| 1                            |          |             |                   |                     |         |   |      | i i |
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|                              |          | 1.          |                   |                     |         | <br>· · · · · · · · · · · · · · · · · · · | <br> |     |

# NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| $\left  \right $ | <sup>17</sup> OPERATOR CERTIFICATION<br>I hereby certify that the information comained herein is true a<br>complete to the best of my knowledge and belief  |
|------------------|---|
| 1980'            | Daniel Marie  |
| € 660'>•         | Dewell Moore<br>Signate<br>Dersell Moore<br>Prined Name   |
|                  | The EAU. MAR.<br>Date 4/145/49  |
|                  | <sup>18</sup> SURVEYOR CERTIFICATIO<br>I hereby certify that the well location shown on this plat was<br>platted from field notes of actual surveys made by me<br>or under my supervision, and that the same is true and corr |
|                  | the best of my belief.  |
|                  | Date of Survey<br>Signature and Seal of Professional Surveyer:<br>Well is active. Location was not re-surveyed by<br>Navajo.  |
|                  | Certificate Number  |

378\Form C-102.doc

# 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 Date

Darul Mone Darsels Moore Env. Mgr. Gr Water - Waste

Navajo Refining Company Company

Subsurface Technology, Inc.

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CISF N.M. Oil Cons. Division 811 S. 1st Street TELEPHONE FAX (505) 748-3311 ABEFNINGS102830MPANY (505) 746-6410 ACCTG (505) 746-6155 EXEC EASYLINK (505) 748-9077 ENGR 62905278 501 EAST MAIN STREET . P. O. BOX 159 (505) 746-4438 P / L ARTESIA, NEW MEXICO 88211-0159 May 10, 1999 Mr. Tim Gumm State of New Mexico MAY 1 3 1999 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).

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An Independent Refinery Serving . . . NEW MEXICO • ARIZONA • WEST TEXAS • NORTHERN MEXICO 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,

mull 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



JUN 02 1999

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





Patterson Drilling Company 410 N. Loraine Street - (915) 682-9401

N. Loraine Street — (915) 682-94 ( Midland, Texas 79701 RECEIVED

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

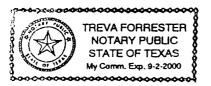
The foregoing was acknowledged before me this 2<sup>nd</sup> day of June, 1999 by Rebecca A. Edwards.

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MY COMMISSION EXPIRES:

ein torres tos 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 deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 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 FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE Southeastern New Mexico

| oounouse                |                    | Torthe estern new mexico |                  |   |  |  |
|-------------------------|--------------------|--------------------------|------------------|---|--|--|
| T. Anhy                 | T. Canyon 8390     | T. Ojo Alamo             | T. Penn. "B"     |   |  |  |
| T. Salt                 | T. Strawn 8894     | T. Kirtland-Fruitland    | T. Penn. "C"     | - |  |  |
| B. Salt                 | T. Atoka           | T. Pictured Cliffs       | T. Penn. "D"     | - |  |  |
| T. Yates                | T. Miss            | T. Cliff House           | T. Leadville     |   |  |  |
| T. 7 Rivers             | T. Devonian        | T. Menefee               | T. Madison       |   |  |  |
| T. Queen                | T. Silurian        | T. Point Lookout         | T. Elbert        | - |  |  |
| T. Grayburg             | T. Montoya         | T. Mancos                | T. McCracken     | - |  |  |
| T. San Andres 2005      | T. Simpson         | T. Gallup                | T. Ignacio Otzte |   |  |  |
| T. Glorieta             | T. McKee           | Base Greenhorn           | T. Granite       |   |  |  |
| T. Paddock              | T. Ellenburger     | T. Dakota                | T                | - |  |  |
| T. Blinebry             | T. Gr. Wash        | T. Morrison              | T                | - |  |  |
| T.Tubb                  | _ T. Delaware Sand | T.Todilto                | Т                |   |  |  |
| T. Drinkard             | T. Bone Springs    | T. Entrada               | Τ                | - |  |  |
| T. Abo 5506             | Т                  | T. Wingate               | Τ                |   |  |  |
| T. Wolfcamp 6728        | — T                | T. Chinle                | T                |   |  |  |
| T. Penn                 | T                  | T. Permian               | Т.               |   |  |  |
| T. Cisco (Bough C) 7645 | T                  | T. Penn "A"              | T                | _ |  |  |
|                         |                    |                          |                  |   |  |  |

| No. | 1, | from | .to |
|-----|----|------|-----|
| No. | 2, | from | .to |

#### OIL OR GAS SANDS OR ZONES

| No. 3, from | to |
|-------------|----|
|             | to |

| • • • • • • • • • • • • • • • |            | 1.0. 4, 110111 |
|-------------------------------|------------|----------------|
| 11                            | MPORTANT V | VATER SANDS    |

| Include data on rate of water inflow and elevation to which water rose in hol |
|---|
|---|

# LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | То | Thickness<br>In Feet | Lithology | From | То | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|------|----|----------------------|-----------|
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |
|      |    |                      |           |      |    |                      |           |

|   |                             | -                  |                  |                              |                      |                                   |             | - 017                                  |                                       |               |                        |
|---|-----------------------------|--------------------|------------------|------------------------------|----------------------|-----------------------------------|-------------|--|---------------------------------------|---------------|------------------------|
| Submit To Appropriate Dis<br>State Lease - 6 copies   | strict Office               |                    | State            | of New M                     | exico                |                                   |             | Form C-105                             |                                       |               |                        |
| Fee Lease - 5 copies<br>District I  |                             | Ei Ei              | nergy, Mine      | rals and Natu                | iral Reso            | ources                            | Г           |  |                                       |               | Revised March 25, 1999 |
| <ul> <li>1625 N. French Dr., Hobbs</li> <li>District II</li> </ul>  | 5. NM 87240                 |                    |                  | WELL API 1 30-015-2089       |                      |                                   |             |  |                                       |               |                        |
| 811 South First, Artesia, N<br>District III   | M 87210                     | aral OI            |                  | RVATION                      |                      | SION                              | ╞           | 5. Indicate 7                          |                                       | ease          |                        |
| 1000 Rio Brazos Rd , Azte<br>District IV  | c, NM 87410                 | Well OI            | 2040             | South Pac                    | heco                 |                                   |             | STATE FEET Federal                     |                                       |               |                        |
| 2040 South Pacheco. Santa   | i Fe, NM 87505              | W                  | Santa            | ı Fe, NM 8                   | 7505                 |                                   |             | State Oil & (                          | Gas Lease                             | No. NN        | M 6852                 |
|   | MPLETION                    | OR RECO            | MPLETIO          | N REPOR                      | T AND                | LOG                               | 4           |  |                                       |               |                        |
| Ta Type of Well:  |                             | . 🗖                |                  | D Class I W                  |                      |                                   |             | 7. Lease Name                          | or Unit Agr                           | eement N      | ame                    |
| OIL WEL   | -                           | $L^{\Box}$ DRY     |                  | R Class I Wa                 | 151017               | Posal Wel                         | <u>II</u>   | Navajo I                               | Refining (                            | Compan        | у                      |
| <ul> <li>b. Type of Comple<br/>NEW</li> </ul>   | tion: 🔍 🔫                   | L'NJECT            |                  | FE.                          |                      |                                   |             | WDW-2                                  |                                       |               |                        |
| WELL  | over 🖵 deei                 |                    |                  | i ¥ i                        | THER - R             | .eep y                            | 3           |  |                                       |               |                        |
| 2. Name of Operator<br>Navaio Refi  | ining Company               |                    |                  | Or.                          | P.C.                 | 10-                               | 13          | <ol> <li>Well No.<br/>WDW-2</li> </ol> |                                       | •             |                        |
| 3. Address of Operat  |                             |                    |                  |                              | AND                  |                                   | <u> </u>    | 9. Pool name or                        |                                       |               |                        |
|   | Box 159, Artes              | ia, New Mex        | ico 88211        |                              |                      | 0                                 |             |  |                                       |               | on Injection Zone      |
| 4. Well Location  |                             |                    |                  |                              | 0                    | 4 .ć                              | 97 -        | Na                                     | rajo l                                | erm           | O-PENN                 |
| Unit Letter   | E: 198                      | 0Feet From         | The North        | Line and                     | 66                   | 01                                | Feet F      | from The                               | West                                  | Li            | ne 96918               |
| Section 1   | 2                           | Township 1         | 8 South          | Range 2                      | 27 East              |                                   |             | м Eddy                                 |                                       |               | County                 |
| 10. Date Spudded  |                             | ched 12. D         | ate Compl. (Re   | eady to Prod.)               |                      | Elevations (                      | DF&         | R(B. RT, GR, e                         | · · · · · · · · · · · · · · · · · · · |               | Casinghead             |
| July 18, 1973   | August 27, 1<br>16. Plug Ba | <u>.973  </u>      | June 8           | , 1999<br>: Compl. How M     | 1any                 | 3607 feet                         |             | ., 3623 feet R<br>Rotary Tools         | KB                                    | Cable T       | 609 feet GL            |
| 10,372 feet   |                             | 0 feet             | Zones?           | l l                          | lany                 | Drilled By                        |             | All                                    |                                       |               | N/A                    |
| 19. Producing Interv  | al(s), of this compl        |                    |                  | ~                            |                      |                                   |             | 20                                     | ). Was Dire                           |               |                        |
| 21. Type Electric and   | d Other Logs Run            | L. Wolfc           | amp-Cisco-       | Canyon                       |                      |                                   |             | 22. Was Well (                         | Cored                                 | Y             | es                     |
|   | ider and Caliper            | r Logs, Dual       | Induction La     | aterolog,                    |                      |                                   |             |  | corea                                 | No            |                        |
|   | ed Neutron Forr             | nation Densi       |                  |                              |                      |                                   |             |  |                                       |               |                        |
| 23.   |                             |                    |                  |                              |                      | · ·                               | t al        | l strings se                           |                                       |               |                        |
| CASING SIZE   |                             | IT LB./FT.<br>√A   | DEPTH<br>40      |                              |                      | le size<br>N/A                    |             | CEMENTING<br>N/A                       |                                       | A             | MOUNT PULLED<br>None   |
| 8-5/8"  |                             | 32                 | 199              |                              |                      | 11" 800 sacks circulated None     |             |  |                                       |               |                        |
| 5-1/2"  |                             | 17                 | 886              |                              | 7                    | 7-7/8" 1570 sacks circulated None |             |  | None                                  |               |                        |
|   |                             |                    |                  |                              |                      |                                   |             |  |                                       |               |                        |
| 21  |                             |                    |                  | 00000                        |                      |                                   | 25          |  |                                       |               |                        |
| 24.<br>SIZE   | ТОР                         | воттом             | LINER RE         |                              | SCREEN               |                                   | 25.<br>SIZI |  | JBING RE<br>DEPTH S                   |               | PACKER SET             |
|   |                             |                    |                  |                              |                      |                                   |             | 3-1/2"                                 | 752                                   |               | 7528'                  |
|   |                             |                    |                  |                              |                      |                                   |             |  |                                       |               |                        |
| 26. Perforation rec   | cord (interval, size,       | and number)        |                  | ŀ                            | DEPTH                | NTERVAL                           |             | AMOUNT AN                              |                                       | ATERIA        | LUSED                  |
| 7570' to 7620',   |                             |                    |                  | 7880',                       |                      | ' to 8399                         |             |  |                                       |               | plus 4600 pounds       |
| 7886' to 7904',<br>8096' to 8116',  |                             |                    |                  |                              | 7570                 | 10 8399                           |             | of rock salt                           | as diverte                            | r             |                        |
| (2  jspf for total  c   |                             | 0304 10 031        | 9,0393 10        | 0377                         |                      |                                   |             |  |                                       |               |                        |
| 28  |                             |                    |                  | PRO                          | DUC                  | TION                              |             | I                                      |                                       |               |                        |
| Date First Productio  |                             | Production Meth    | nod (Flowing, g  |                              |                      |                                   | )           | Well Status (                          | Prod. or Shi                          | ut-in)<br>N/A |                        |
| Date of Test<br>N/A   | Hours Tested                | Choke Size<br>N/A  | Prod'r<br>Test F | For                          | Oil – Bbl            |                                   | Gas         | - MCF                                  | Water - Bl                            |               | Gas - Oil Ratio        |
| Flow Tubing Press. Casing Pressure Calculated 24- Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) |                             |                    |                  |                              |                      |                                   |             | .PI - (Corr.)                          |                                       |               |                        |
| 29 Disposition of G   | as (Sold. used for fi       | uel, vented, etc.) |                  |                              | I                    |                                   | t           | · · · · · · · · · · · · · · · · · · ·  | Test Witness                          | sed By        |                        |
|   |                             |                    | N/A              |                              |                      |                                   |             |  |                                       |               |                        |
| 30. List Attachments  | 5                           |                    |                  |                              |                      |                                   |             | . 1                                    |                                       |               | ул.<br>Фл              |
| 31 Thereby certify  | , that the informa          | tion shown on      | both sides of    | Deviation<br>this form as tr | on Repo<br>rue and c | ort<br>omplete to                 | the         | best of my know                        | wledge and                            | belief        |                        |
| $\langle \rangle$   | , nA                        |                    |                  |                              |                      |                                   |             |  | 5 ····                                | .,            | <i>i</i> i             |
| Signature   | rull Mar                    | oll                | Printed Name     | hrellA                       | locreri              | tle Eau                           | <u>î</u>    | lgr.                                   | Da                                    | ite 7         | 119 99                 |

|                          |                   |             |                      |          |                |                | NM.                 | Dil           | Cons. Di                                | visip                     | <b>n</b>                   | OMB N       | APPROVE<br>0. 1004-01 |                        |
|--------------------------|-------------------|-------------|----------------------|----------|----------------|----------------|---------------------|---------------|---|---------------------------|----------------------------|-------------|-----------------------|------------------------|
|                          |                   |             |                      |          |                | CI IBMI        | TBAYS               | CATE          | r Street                                |                           |                            | Expires: F  | ebruary 28            | 1995                   |
| m 3160-4                 |                   | I INI       | TED STA              | ATE?     | S              | 000141         | 811 3               | ther int      | audior®8210-                            | 2834                      | DESIGNATION                | AND SERIAL  | . NO.                 |                        |
| iy,1992)                 |                   |             | IT OF TH             |          |                | R              | Artes               | a, [          | r Street<br>M <sup>io</sup> 88210-      | NM                        | 6852                       |             |                       |                        |
|                          |                   |             | AND MAN              |          |                |                |                     |               |   | 6, IF INDI                | AN, ALLOTTES               | OR TRIBE NA | ME                    | ، ۲۰۰<br>ن<br>س        |
|                          | BUREAU            |             | OR RECO              | MPL      | TION RE        | POR            | T AND LC            | G*            |   |                           |                            |             |                       | *                      |
|                          |                   |             | GAS                  |          | DRY            |                | ther Cla            | ss            | I Waste                                 | 7. UNIT A                 | GREEMENT NA                | ME          | 00                    | ACr. Dan               |
| TYPE OF WE               | -                 | DIL<br>WELL | WELL                 | <u> </u> |                | لمعا           | Dis                 | pos           | sal Well                                | 9 FARM                    | OR LEASE NAM               | F WELL NO   |                       | APSCD -                |
| . TYPE OF CO             | MPLETON           | ્રે         | <b>—</b>             |          | 0.55           | x o            | ther Re             | ent           | rv                                      |                           | _                          |             |                       | ESI                    |
| NEW                      | 1 1               | SEEPEN      |                      | ப        | DIFF-<br>GENVR | <u>د</u>       |                     |               |   | WDW                       |                            |             | - Carlor              | ^×                     |
| NAME OF O                | ERATOR Y          | 1 5         | 3 CC                 |          |                |                |                     |               |   | 9. API W                  | -015-208                   | 394         | 2.01                  | 81 (19191416.          |
| Navaj                    | o Refin           | ning        | Company              |          |                |                |                     |               |   | 10 5151                   | DAND POOL C                |             |                       | ENHOUSE                |
| ADORESS A                | NO TELEPHO        |             | 159, Ar              | tes      | ia. New        | Mex            | ico 882             | 211           |   | -                         | Wortcar                    | no-Cis      | eo-Ca                 | <del>nyo</del> n 769/8 |
| LOCATION                 |                   | C C         | 155, 11              |          |                |                |                     |               |   | 11. SEC                   | T.,R.,M., OR B             | LOCK AND S  | URVET                 |                        |
| AI SUITACE               | 1980'             | FNL         | and 660              | ' FI     | WL Unit        | Let            | ter E               |               |   |                           |                            |             |                       | 18 South               |
| At too proof. i          | interval reported |             |                      |          |                |                |                     |               |   | Rang                      | ge 27 Ea                   | ast, U      | nit L                 | etter E                |
| or my broat              | Same              |             |                      |          |                |                |                     |               |   | 17797                     | NTYOR                      | 113. STATE  |                       |                        |
| At total dept            |                   |             |                      |          | 14. PERMIT N   | 0.             | 1                   | 1550          |   | PARISH                    |                            |             | Marris                |                        |
|                          | Same              |             |                      |          | WDW-2          |                |                     | pri           | 1 27, 1999<br>18. ELEVATIONS (DF.       |                           | Eddy                       | New         | Mexi                  | CO                     |
| 5 DATE SPUC              | DED               | 16. DATI    | E T.D. REACHED       | 17.0     | ATE COMP (Re   |                | <del>.</del> .)     | ľ             | 18. ELEVATIONS (DF,<br>3607 <u>'GL;</u> |                           |                            |             |                       | 09' GL                 |
| 7-18-73                  |                   |             | 27-73                | ~ 10     | 6-8-99         |                | ULTIPLE COM         | PL.,          | 23. INTERVALS                           | 302                       | ROTARY TO                  | ools        |                       | CABLE TOOLS            |
|                          | DEPTH, MD &       | L TVD       | 8770                 |          |                | н              | OW MANY*            |               |   | •                         | All                        |             |                       |                        |
| 10,372'                  | -1'VD             |             | IS COMPLETION        |          |                | (MD AND        | <br>                |               |   | 25. WA                    | S DIRECTIONAL              | SURVE MAD   | DE?                   |                        |
| , producini<br>נ. זאסן f |                   | isco        | -Canyon              | •        |                |                |                     |               |   |                           | Yes<br>SWELL CORE          | n2          |                       |                        |
| 6. TYPE ELECTR           | RIC AND OTHE      | RLOGS       | RUN Fract            | ure      | Finder         | and            | a Calipe            | er            | Logs,                                   | -                         |                            | 51          | No                    |                        |
| Dual In                  | ductio            | n La        | terlog.              | Com      | casing RE      | d Ne           | eutron.             |               | rmation De                              | et in well)               |                            |             |                       |                        |
| 8<br>CASING SIZ          | EACRADE           | T w         | EIGHT, LB./FT.       |          | DEPTH SET      |                | HOLE SIZE           | E             | TOP OF C                                | CEMENT, O                 | EMENTING RE                | CORD        |                       | MOUNT PULLED           |
| 13-3                     |                   |             | N/A                  |          | 40'            |                | N/A                 |               | Surface                                 |                           | 0 av Cl                    | <u></u>     |                       | ione                   |
| 8-5/                     | /8"               |             | 32                   |          | 1995'          |                | <u>11</u><br>7-7/   | 0 "           |   |                           | <u>0 sx Cl</u><br>70 sx Cl |             |                       | ione                   |
| 5-1/                     | /2"               |             | 17                   | -+-      | 8869'          |                |                     | <u>o</u>      | and C                                   | 1C                        |                            |             |                       |                        |
| 9                        |                   |             | LINER RECO           |          |                | i              |                     |               | 30<br>SIZE                              | TUBIN                     | IG RECORD                  | T (MD       | F                     | ACKER SET (MD)         |
| SIZE                     | TOP (MD)          |             | BOTTOM (MD)          |          | SACKS CEMEN    |                | SCREEN (N           | D)            | 3-1/2"                                  |                           | 7528'                      |             |                       | 7528'                  |
|                          |                   |             |                      |          |                |                |                     |               |   |                           |                            | INT COULE   | 75 510                |                        |
| 1 PERFOR                 | ATION RECO        | RD          | (Intervel, siz       |          |                |                | 32<br>DEP           | TH IN         | ACID, SI<br>TERVAL (MD)                 | HOT, FRA                  | ACTURE, CEM                | AND KIND C  | OF MATER              | IAL USED               |
| 7570'-                   | 7620',            | 767         | 6'-7736'             | , 78     | B26'-78        | 34'-           | 7570'               | to            | o 8399'                                 | 10                        | ),000 ga                   | allons      | <u>158</u>            | HCl. plus              |
| 7858'-                   | 7880',            | 788         | 6'-7904'<br>0'-8042' | , 75     | 916'-79        | 16             |                     |               |   |                           | 500 pour<br>iverter        | nds of      | rock                  | salt as                |
| 7944'-                   | 7964',<br>9201'   | 830         | 4'-8319'             | . 8      | 395'-83        | 99'-           |                     |               |   | <u> </u>                  | Iverter                    |             |                       |                        |
| (2 jsp                   | f for             | tota        | 1 of 598             | ho       | les)           |                | PROD                | UCTIO         | ON                                      |                           |                            | 114/67 1 6  | TATUS /               | Producing or           |
| DATE FIRST P             |                   |             | PRODUCTI             |          |                | (Flow          | ving, ges lift, pu  | umping        | g-size and type of pu                   | mp)                       |                            | WELLS       | sh                    | nt-in)                 |
|                          | /A                |             |                      |          |                | N/A            |                     |               |   |                           | -MCF.                      | WATER       |                       | S-OIL RATIO            |
| DATE OF TES              |                   | н           | OURS TESTED          |          | CHOKE SL       | ZE             | PROD'N. FOR         | 7<br>0        | OIL-BBL.                                |                           |                            | -           | _                     |                        |
| N/A                      |                   |             | N/A                  |          | N/A            |                | -                   |               | EPTED FOR                               | REC                       |                            | OIL GR      | AVITY-AP              | (CORE)                 |
| FLOW, TUBIN              | G PRESS           | CASI        | NG PRESSURE          |          | HOUR RATE      |                | OIL-BBL.            | ſ             |   |                           |                            |             |                       |                        |
| N/A                      |                   |             | N/A                  | -        |                | >              |                     |               | 29                                      | 1 <b>999</b> <sup>-</sup> | +                          | TEST        | WITNESS               | DBY                    |
|                          | TION OF (Sok      | l, used h   | or fuel, vented, e   | tc.)     |                |                |                     |               |   |                           |                            |             |                       |                        |
| N/A<br>35. LIST OF       | ATTACHMEN         | rs          |                      |          |                | <del>-(0</del> | <del>rig. 9</del> 0 | 1 <b>D.</b> † | CAN' GOL                                | IRLE                      | 44 I                       |             |                       |                        |
| De                       | viatio            | n Re        | port                 |          | hed informat   |                | complete an         | d 201         | rect as determine                       | ed from                   | ell available              | records.    |                       |                        |
| 36 here                  | by certify th     | hat the     | n IA                 | attaci   |                |                |                     |               |   |                           |                            |             | TE                    | 119/94                 |
| SIGNED                   | 1)                | ul          | l Mar                | l        |                |                |                     |               | v. Mar.                                 |                           |                            | UA          |                       | <u></u>                |
|                          | <u></u>           |             | *(S                  | ee Ins   | structions     | and S          | paces for           | Add           | itional Data or                         | n Revei                   | se Side)                   | tment or a  | nenry of              | the                    |

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



Patterson Drilling Company RECEION Coraine Street - (915) 682-9401 Minilard Stexas 79701 I 1999 JUL 21 A

RECEIVED

JUN 0 4 1999

SUBSURFACE TECHNOLOGY, INC.

June 2, 1999

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

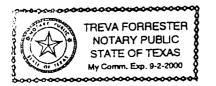
COUNTY OF MIDLAND

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

)

MY COMMISSION EXPIRES:

lein mester RY PUBLIC



TELEPHONE (505) 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.

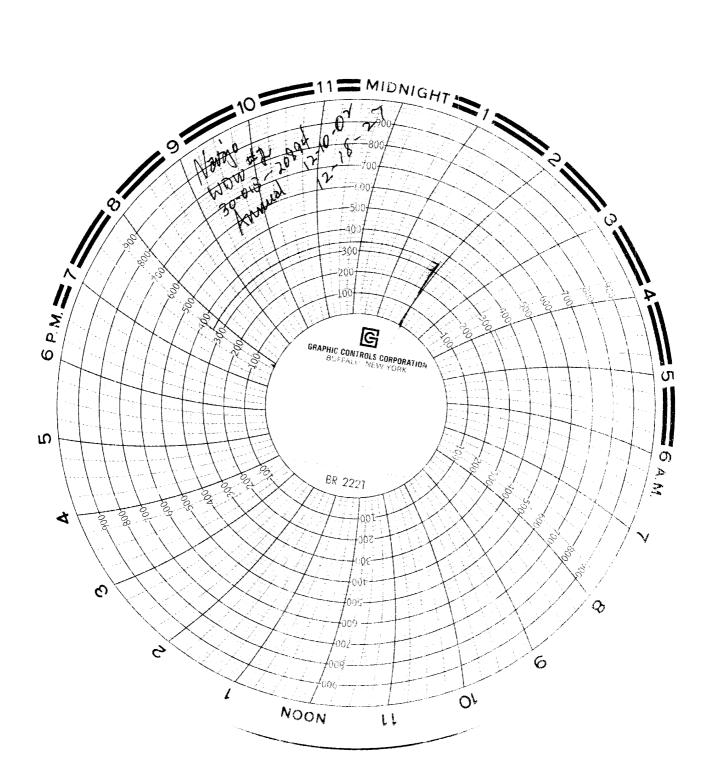
Sincerely, NAVAJO REFINING COMPANY

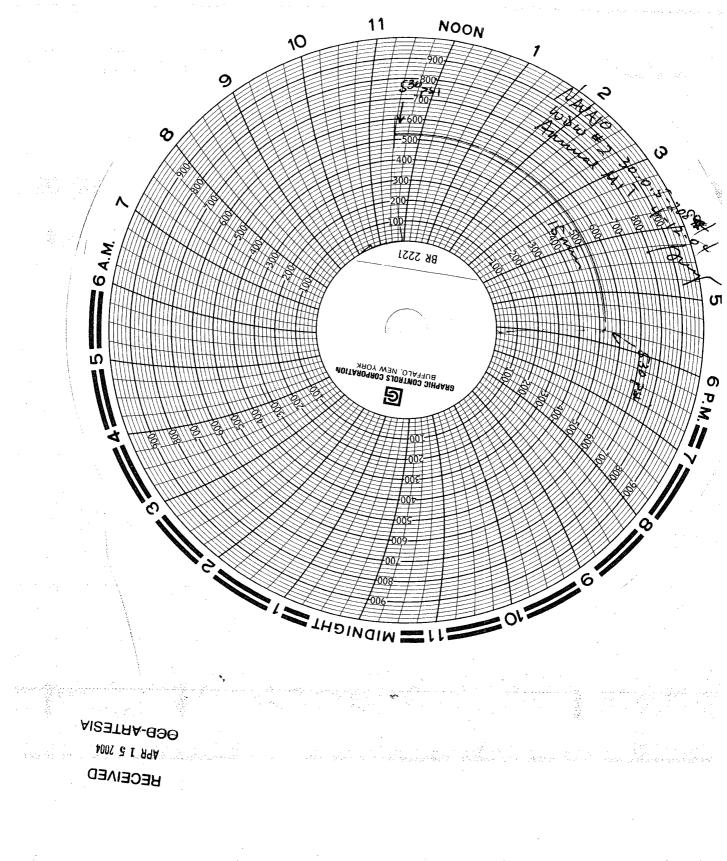
10 Moore

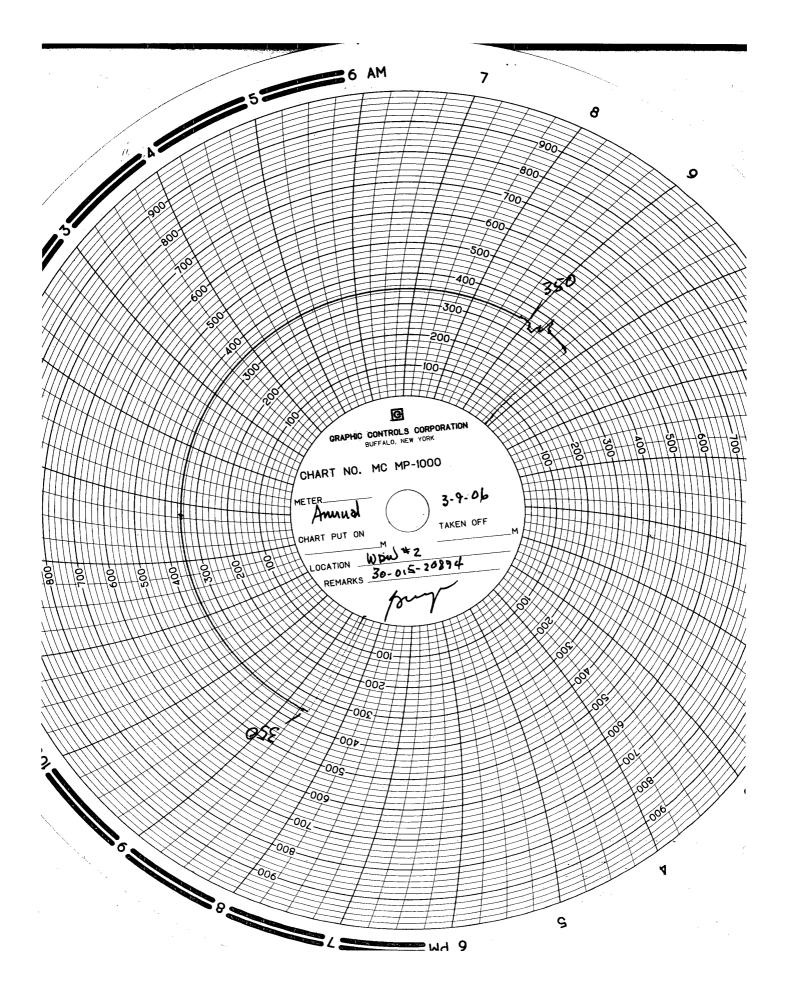
Darrell Moore Environmental Mgr. for Water and Waste

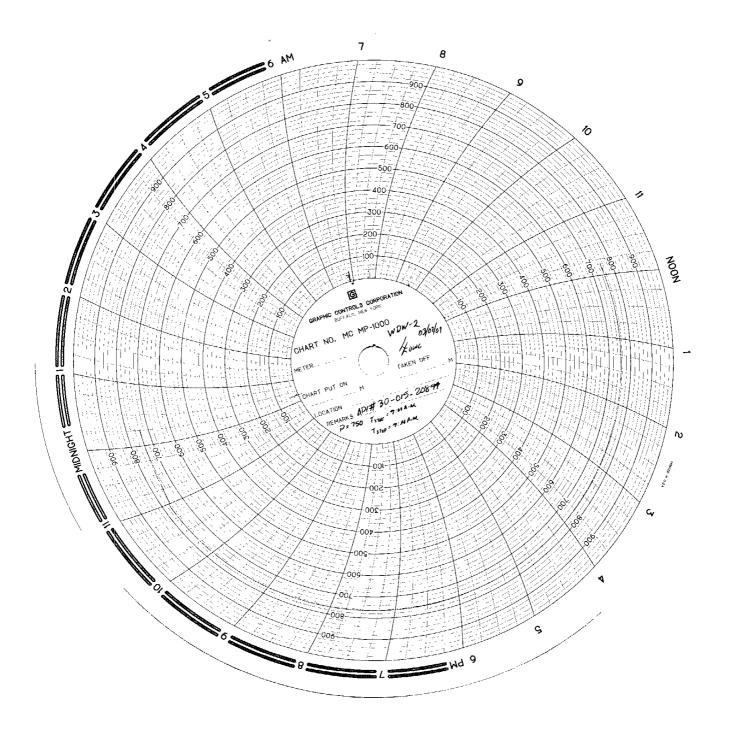
Encl.

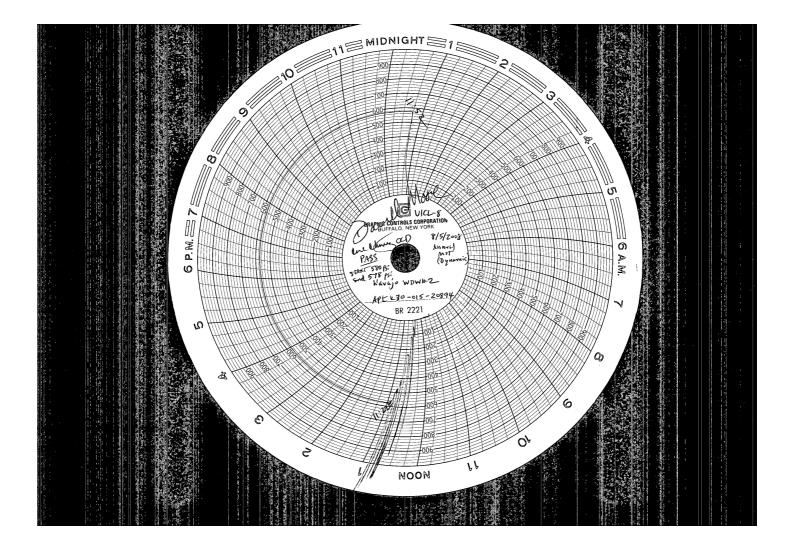
An Independent Refinery Serving ... NEW MEXICO • ARIZONA • WEST TEXAS • NORTHERN MEXICO

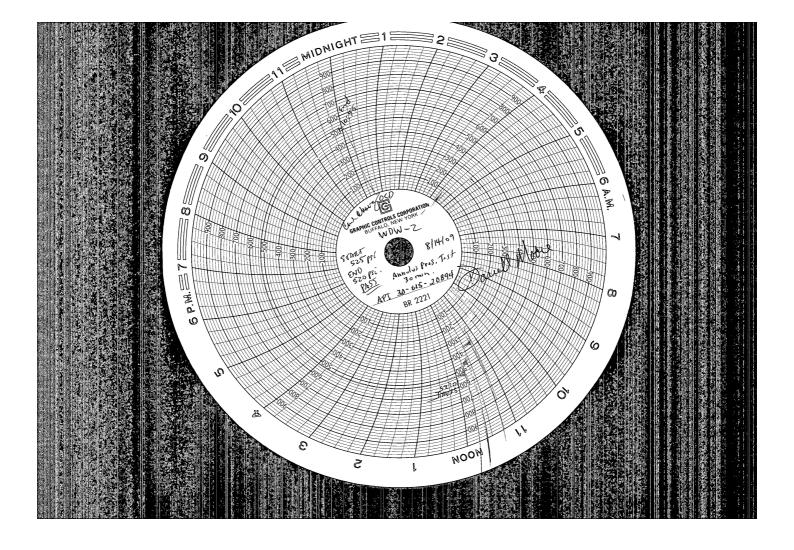












#### Chavez, Carl J, EMNRD

From: Sent: To: Cc: Subject: Chavez, Carl J, EMNRD Thursday, August 12, 2010 1:55 PM 'Moore, Darrell'; Dade, Randy, EMNRD Lackey, Johnny 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: <u>CarlJ.Chavez@state.nm.us</u> Website: <u>http://www.emnrd.state.nm.us/ocd/</u>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

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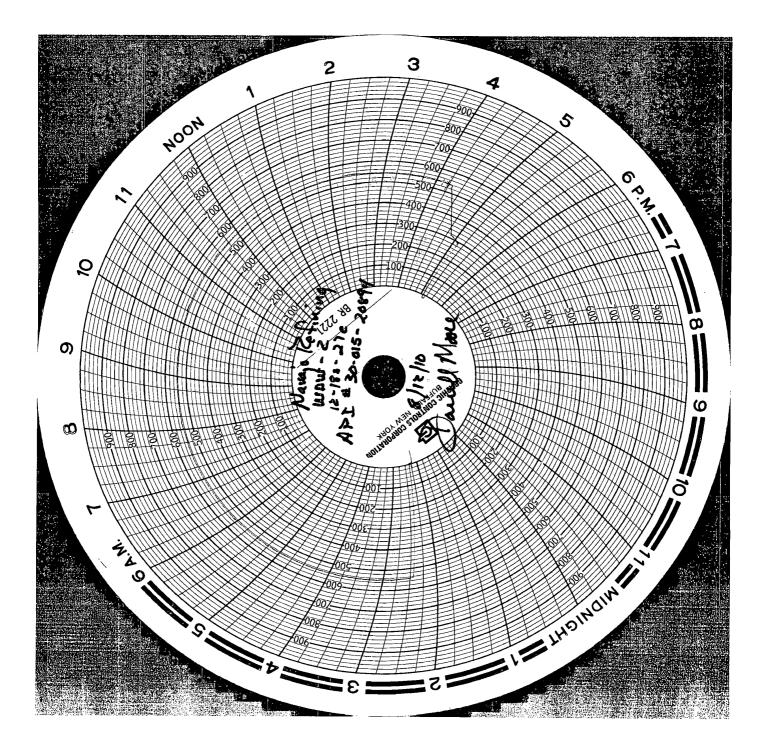
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#### Chavez, Carl J, EMNRD

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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: <u>CarlJ.Chavez@state.nm.us</u> Website: <u>http://www.emnrd.state.nm.us/ocd/</u>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

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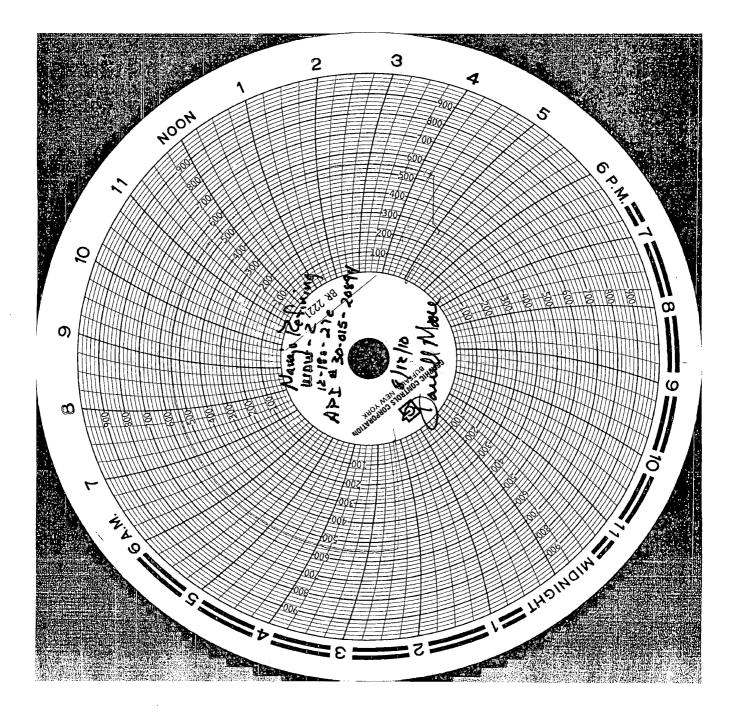
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| Submit 1 Copy To Appropriate District<br>Office   | State of New Me  |   |   | C-103  |
|---|--|---|---|--|
| $\frac{\text{District } 1}{1000000000000000000000000000000000$  | Energy, Minerals and Natu  | ral Resources   | Revised Augus<br>WELL API NO.   | <u>t 1, 2011</u>   |
| 1625 N French Dr , Hobbs, NM 88240<br><u>District II</u> – (575) 748-1283   | OIL CONCEDUATION   | DIVISION  | 30-015-20894  |  |
| 811 S First St , Artesia, NM 88210<br>District III – (505) 334-6178   | OIL CONSERVATION   |   | 5. Indicate Type of Lease   |  |
| 1000 Rio Brazos Rd , Aztec, NM 87410  | 1220 South St. Fran  |   | STATE 🛛 FEE 🗌   | ·  |
| <u>District IV</u> – (505) 476-3460<br>1220 S St Francis Dr., Santa Fe, NM  | Santa Fe, NM 8'  | 7303  | 6. State Oil & Gas Lease No. 6852   |  |
| 87505   |  |   |   |  |
|   | ICES AND REPORTS ON WELLS<br>DSALS TO DRILL OR TO DEEPEN OR PL   |   | 7. Lease Name or Unit Agreement Chukka WDW-2  | Name   |
| DIFFERENT RESERVOIR USE "APPLI  | CATION FOR PERMIT" (FORM C-101) FOR  |   | Chukka wDw-2  |  |
| PROPOSALS) 1. Type of Well: Oil Well  | Gas Well 🔲 Other Injection W   | 'ell  | 8. Well Number WDW-2  |  |
| 2. Name of Operator   |  |   | 9. OGRID Number   |  |
| Navajo Refining Company   |  |   |   |  |
| 3. Address of Operator  | Maria 0011   |   | 10. Pool name or Wildcat Navajo   | Permo-   |
| Post Office Box 159, Artesia, Ne  |  |   | Penn 96918  |  |
| 4. Well Location  | 1000 fort from the N (   | 1.  |   |  |
| Unit Letter <u>E</u> :  | <u>1980</u> feet from the <u>North</u>   |   | ······································  | _  |
| Section 12  | Township 18S   | Range 27E   |   | y Eddy   |
|   | 3607' GL, 3623' RKB  | , $RRD$ , $RI$ , $OR$ , $etc.$  |   | 390.<br>1990   |
|   |  |   |   |  |
| 12. Check   | Appropriate Box to Indicate N  | lature of Notice,   | Report or Other Data  |  |
|   | NTENTION TO:   |   | SEQUENT REPORT OF:  |  |
|   |  | REMEDIAL WOR  |   | NG 🗖   |
| TEMPORARILY ABANDON   |  | COMMENCE DRI  |   |  |
| PULL OR ALTER CASING  | MULTIPLE COMPL   | CASING/CEMEN  | т јов 🔲   |  |
|   |  |   |   |  |
|   | ·  |   |   |  |
| OTHER: PERFORM PRESSURE   | FALLOFF TEST, ANNULUS  | OTHER:  |   |  |
| OTHER: PERFORM PRESSURE<br>PRESSURE TEST  | FALLOFF TEST, ANNULUS  | OTHER:  |   |  |
| OTHER: PERFORM PRESSURE<br>PRESSURE TEST  |  |   | d give pertinent dates, including estim   |  |
| OTHER: PERFORM PRESSURE<br>PRESSURE TEST<br>I3. Describe proposed or com<br>of starting any proposed w  | pleted operations. (Clearly state all ork). SEE RULE 19.15.7.14 NMA  | pertinent details, an   | d give pertinent dates, including estim<br>mpletions: Attach wellbore diagram o   | nated date   |
| OTHER: <b>PERFORM PRESSURE</b><br><b>PRESSURE TEST</b><br>21. Describe proposed or com  | pleted operations. (Clearly state all ork). SEE RULE 19.15.7.14 NMA  | pertinent details, an   |   | nated date   |
| OTHER: PERFORM PRESSURE<br>PRESSURE TEST<br>I3. Describe proposed or com<br>of starting any proposed w<br>proposed completion or re   | pleted operations. (Clearly state all<br>ork). SEE RULE 19.15.7.14 NMA<br>completion.  | pertinent details, an<br>C. For Multiple Con  | mpletions: Attach wellbore diagram o  | nated date   |
| OTHER: PERFORM PRESSURE<br>PRESSURE TEST<br>I3. Describe proposed or com<br>of starting any proposed w<br>proposed completion or re<br>October 17, 2011 – Perfor  | pleted operations. (Clearly state all<br>ork). SEE RULE 19.15.7.14 NMA<br>completion.  | pertinent details, an<br>C. For Multiple Con<br>initial pressure of 60  | mpletions: Attach wellbore diagram of 00 psig and run the test for 30 minutes   | nated date   |
| OTHER: PERFORM PRESSURE<br>PRESSURE TEST<br>I3. Describe proposed or com<br>of starting any proposed w<br>proposed completion or re<br>October 17, 2011 – Perfor<br>bottomhole gauges into W<br>October 18, 2011 – Conti  | pleted operations. (Clearly state all<br>ork). SEE RULE 19.15.7.14 NMA<br>completion.<br>m an annulus pressure test with an<br>DW-1, WDW-2, and WDW-3 by 1<br>nue injection into all three wells.  | pertinent details, an<br>C. For Multiple Con<br>initial pressure of 60<br>1:45am. Continue in   | mpletions: Attach wellbore diagram of 00 psig and run the test for 30 minutes njection into all three wells.  | nated date<br>of<br>. Install  |
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- I hereby certify that the information above is true and complete to the best of my knowledge and belief.

| SIGNATURE Time Jones  | TITLE Project Engineer                      | DATE [0/3/2011        |
|---|---|-----------------------|
| Type or print name <u>Timothy</u> Jones<br>For State Use Only | E-mail address: fjones esubsurface group.cc | M PHONE: 713-330-4640 |
| APPROVED BY:  | TITLE                                       | DATE                  |

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APPROVED BY:\_\_\_\_\_ Conditions of Approval (if any):

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| Submit I Copy To Appropriate District State of New Mexico<br>Office   | Form C-103  |
|---|---|
| <u>District   - (575) 393-6161</u><br>I625 N. French Dr., Hobbs, NM 88240   | Revised August 1, 2011<br>WELL API NO.  |
| District II - (575) 748 1283  | 30-015-20894  |
| 811 S. First St., Artesia, NM 88210 OIL CONSERVATION DIVISION   | 5. Indicate Type of Lease   |
| District III – (505) 334-6178 1220 South St. Francis Dr.  | STATE FEE   |
| 1000 Rio Brazos Rd., Aztec, NM 87410<br>District IV – (505) 476-3460 Santa Fe, NM 87505   | 6. State Oil & Gas Lease No. 6852   |
| 1220 S. St. Francis Dr., Santa Fe, NM   |   |
| 87505   |   |
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A<br>DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH   | 7. Lease Name or Unit Agreement Name<br>Chukka WDW-2  |
| PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other Injection Well   | 8. Well Number WDW-2  |
| 2. Name of Operator   | 9. OGRID Number   |
| Navajo Refining Company   | 5. GOIGE Number   |
| 3. Address of Operator  | 10. Pool name or Wildcat: Navajo Permo-   |
| Post Office Box 159, Artesia, New Mexico 88211  | Penn 96918  |
| 4. Well Location  |   |
|   |   |
| Unit Letter <u>E</u> : <u>1980</u> feet from the <u>North</u> line a  |   |
| Section 12 Township 18S Range 27E   |   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.   |   |
| 3607' GL, 3623' RKB   |   |
|   |   |
| 12. Check Appropriate Box to Indicate Nature of Notice  | Report or Other Data  |
|   | 1   |
| NOTICE OF INTENTION TO: SUE   | SEQUENT REPORT OF:  |
| PERFORM REMEDIAL WORK D PLUG AND ABANDON D REMEDIAL WOR   | RK 🛛 ALTERING CASING 🗌  |
|   |   |
| PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMEN  |   |
|   |   |
|   |   |
| OTHER: PERFORM PRESSURE FALLOFF TEST, ANNULUS OTHER:  |   |
| PRESSURE TEST   |   |
|   |   |
|   |   |
| 13. Describe proposed or completed operations. (Clearly state all pertinent details, and  |   |
| <ol> <li>Describe proposed or completed operations. (Clearly state all pertinent details, an<br/>of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Co</li> </ol>   |   |
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.

| SIGNATURE Time Jones                           | TITLE Project Engineer                              | DATE 10/3/2011      |
|--|---|---------------------|
| Type or print name Jones<br>For State Use Only | E-mail address: <u>Hohes e Subsurface group.com</u> | PHONE: 713-580-4640 |
| APPROVED BY: Carl A. Chanes                    | TITLE Environmental Engineer                        | DATE 10/19/20/1     |
| Conditions of Approval (II anz):               | Conditions dated 10/19/2011 4                       |                     |

#### Chavez, Carl J, EMNRD

From:Chavez, Carl J, EMNRDSent:Wednesday, October 19, 2011 4:06 PMTo:'Moore, Darrell'Cc:Sanchez, Daniel J., EMNRD; VonGonten, Glenn, EMNRD; Dade, Randy, EMNRDSubject:Navajo Refining Company UIC Class I (NH) Injection Wells WDWs 1, 2 & 3 (UICI-008) Fall<br/>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.

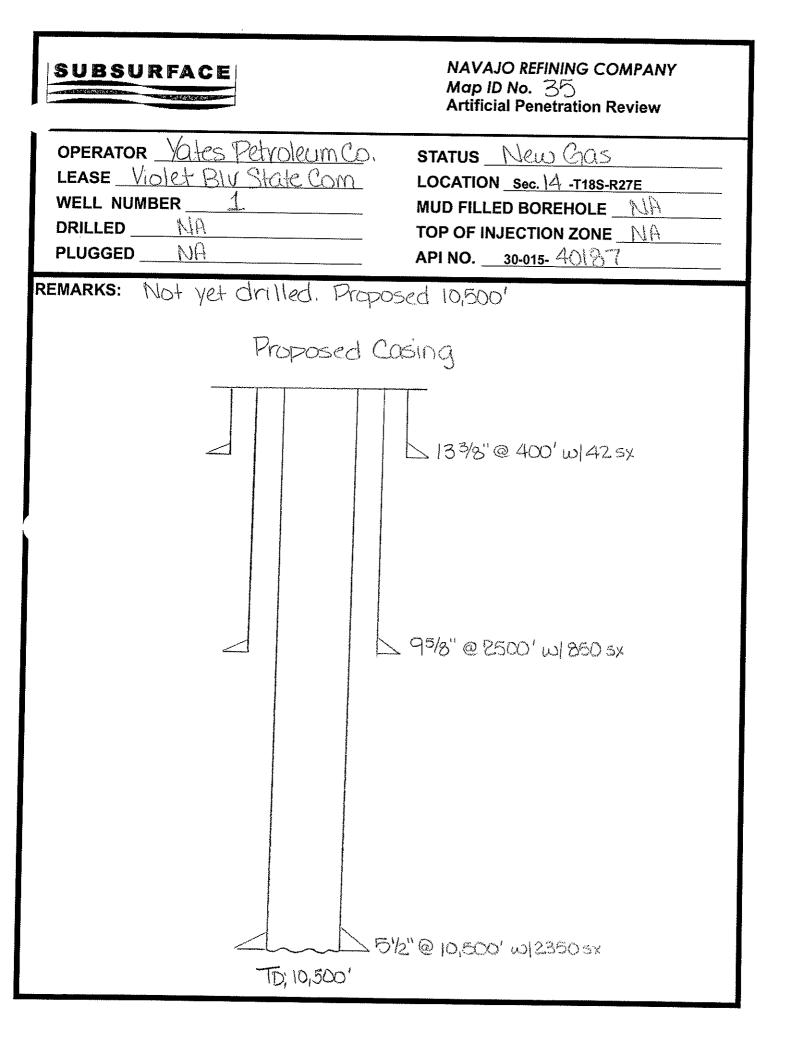
**Disclaimer:** Please be advised that OCD has already approved with conditions Navajo Refining Company's Fall-Off Test (FOT) Plan on July 28, 2009, and is not providing approval of this FOT Plan; however, comments, observations and recommendations herein should help Navajo Refining Company understand 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 Website: <u>http://www.emnrd.state.nm.us/ocd/</u> "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)

| Submit 1 Copy To Appropriate District  | State of New M   | levico  | Earry C 1                                      | 0.2           |
|--|--|---|--|---------------|
| Office<br><u>District I</u> - (575) 393-6161                                 | Energy, Minerals and Nat   |   | Form C-1<br>Revised August 1, 20               |               |
| 1625 N. French Dr., Hobbs, NM 88240<br>District II – (575) 748-1283          |  |   | WELL API NO.                                   |               |
| 811 S. First St., Artesia, NM 88210  | OIL CONSERVATION   |   | 30-015-20894                                   |               |
| <u>District III</u> – (505) 334-6178<br>1000 Rio Brazos Rd., Aztec, NM 87410 | 1220 South St. Fra   | incis Dr.   | 5. Indicate Type of Lease<br>STATE FEE         |               |
| <u>District IV</u> – (505) 476-3460  | Santa Fe, NM 8   | 7505  | 6. State Oil & Gas Lease No.                   | _             |
| 1220 S. St. Francis Dr., Santa Fe, NM<br>87505                               |  |   |  |               |
| SUNDRY NOTIO<br>(DO NOT USE THIS FORM FOR PROPOS                             | CES AND REPORTS ON WELLS   | S   | 7. Lease Name or Unit Agreement Name           | ,             |
| DIFFERENT RESERVOIR. USE "APPLIC,<br>PROPOSALS.)                             | ATION FOR PERMIT" (FORM C-101) F                                   | OR SUCH   | BLM  |               |
|  | as Well 🔲 Other (Class 1 NH I                                      | njection Well)                                    | 8. Well Number WDW-2                           |               |
| 2. Name of Operator<br>Navajo Refining Company L.L.C.                        |  |   | 9. OGRID Number                                |               |
| 3. Address of Operator   |  |   | 10. Pool name or Wildcat                       |               |
| 501 East Main Street, Artesia, NM  | 1  |   | Lwr Wolfcamp-Cisco-Canyon Inj. Zone            |               |
| 4. Well Location   |  |   |  | -             |
|  | the North line and 660 feet from t                                 |   |  | 1             |
| Section 12   | Township 18 S  | Range 27 H  |  | and character |
|  | 11. Elevation (Show whether DR<br>GL: 3,607 feet, RKB: 3,6223 feet | , <i>RKB</i> , <i>RT</i> , <i>GR</i> , etc.<br>et |  |               |
| 12. Check At   | ppropriate Box to Indicate N                                       | ature of Notice                                   | Porpett on Othen Date                          |               |
|  |  |   |  |               |
| NOTICE OF INT<br>PERFORM REMEDIAL WORK                                       |  |   | SEQUENT REPORT OF:                             |               |
|  | PLUG AND ABANDON   | REMEDIAL WOR                                      |  | 1             |
|  |  | COMMENCE DR<br>CASING/CEMEN                       |  | ť.            |
|  |  | CHORICOLINEI                                      |  |               |
| OTHER:   |  | OTHER:  |  |               |
| 13. Describe proposed or complete  | ed operations. (Clearly state all r                                | pertinent details an                              | d give pertinent dates, including estimated da | ate           |
| of starting any proposed work<br>proposed completion or recon                | C). SEE RULE 19.15.7.14 NMAC                                       | C. For Multiple Con                               | mpletions: Attach wellbore diagram of          | iii           |
| Nousia ananasa ta alla da si si  |  |   |  |               |
| would be added in the existing, approv                                       | the existing injection interval at 7                               | 7800 feet – 7830 fe                               | et, 8050 feet - 8290 feet. These perforations  | 5             |
| would be added in the existing, approv                                       | eu, mjechon interval in Chukka v                                   | vDw-2.  |  |               |
|  |  |   |  |               |
| NOTE: Work is proposed to be perform   | ned in July 2013   |   |  |               |
|  | ica m July 2015.   |   |  |               |
|  |  |   |  |               |
|  |  | r   |  |               |
| Spud Date:   | Rig Release Dat  | te:   |  |               |
|  |  | L   |  |               |
| I hereby certify that the information abo                                    | we is true and complete to the he                                  |   | 11.12.0  |               |
| a new object and the information abo   | we is true and complete to the bes                                 | st of my knowledge                                | and belief.                                    |               |
| 1, - 4-()  |  |   |  |               |
| SIGNATURE (malif   | TITLE Projec   | t Engineer  | DATE <u>6-13-2013</u>                          | 2             |
| Type or print name   | E-mail address:  | tiones@subsurfa                                   | cegroup.com                                    |               |
| PHONE:713-880-4640   |  |   |  |               |
| For State Use Only   |  |   |  |               |
| APPROVED BY: Curl ,  | they TITLE Envi  | commented .                                       | Engineer DATE 6/18/2013                        |               |
| Conditions of Approval (if any):   |  | angel 6   | ryway Drit Fing cols                           | -             |
|  |  |   |  |               |

| Submit 1 Copy To Appropriate District  | State of New M  | /lexico                | 1  | Form C-103  |  |  |  |
|--|---|------------------------|--|---|--|--|--|
| Office<br><u>District I</u> – (575) 393-6161   | Energy, Minerals and Na   | tural Resources        |  | Revised August 1, 2011                            |  |  |  |
| 1625 N. French Dr., Hobbs, NM 88240<br>District II – (575) 748-1283  |   |                        | WELL API NO.   |   |  |  |  |
| 811 S. First St., Artesia, NM 88210  | OIL CONSERVATIO   | N DIVISION             | 30-015-20894         5. Indicate Type of Lease         STATE         FEE |   |  |  |  |
| District III – (505) 334-6178<br>1000 Rio Brazos Rd., Aztec, NM 87410  | 1220 South St. Fr   | ancis Dr.              |  |   |  |  |  |
| District IV - (505) 476-3460   | Santa Fe, NM  | 87505                  | 6. State Oil & Gas Lease No.   |   |  |  |  |
| 1220 S. St. Francis Dr., Santa Fe, NM<br>87505   |   |                        |  |   |  |  |  |
| SUNDRY NOTIC<br>(DO NOT USE THIS FORM FOR PROPOSA<br>DIFFERENT RESERVOIR. USE "APPLICA<br>PROPOSALS.)                | ES AND REPORTS ON WELI<br>LLS TO DRILL OR TO DEEPEN OR P<br>TION FOR PERMIT" (FORM C-101) | LUG BACK TO A          | 7. Lease Name o<br>BLM   | r Unit Agreement Name                             |  |  |  |
| 1. Type of Well: Oil Well Ga   | s Well 🔲 Other (Class 1 NH  | Injection Well)        | 8. Well Number   | WDW-2   |  |  |  |
| 2. Name of Operator<br>Navajo Refining Company L.L.C.  |   |                        | 9. OGRID Numb  | er  |  |  |  |
| 3. Address of Operator   |   |                        | 10. Pool name or   |   |  |  |  |
| 501 East Main Street, Artesia, NM  |   |                        | Lwr Wolfcamp-C   | isco-Canyon Inj. Zone                             |  |  |  |
| 4. Well Location   | he Neuth line and COC C   |                        |  | n. How I Tout                                     |  |  |  |
| Section 12   | he North line and 660 feet from   |                        |  | a this man ( n. n. )                              |  |  |  |
|  | Township18 S11. Elevation (Show whether Di  |                        |  | County Eddy                                       |  |  |  |
|  | GL: 3,607 feet, RKB: 3,6223 fe  | et KAB, KI, GR, etc.   |  |   |  |  |  |
|  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |                        |  |   |  |  |  |
| 12. Check Ap   | propriate Box to Indicate N   | Nature of Notice,      | Report or Other  | Data  |  |  |  |
| NOTICE OF INT  | ENTION TO:  | SUB                    | SEQUENT REI  |   |  |  |  |
|  | PLUG AND ABANDON  | REMEDIAL WOR           |  | ALTERING CASING                                   |  |  |  |
|  | CHANGE PLANS  | COMMENCE DRI           |  | PANDA   |  |  |  |
|  |   | CASING/CEMEN           | т ЈОВ  |   |  |  |  |
| DOWNHOLE COMMINGLE   |   |                        |  |   |  |  |  |
| OTHER:   | п   | OTHER:                 |  | -   |  |  |  |
| <ol> <li>Describe proposed or complete<br/>of starting any proposed work<br/>proposed completion or recom</li> </ol> | ). SEE RULE 19.15.7.14 NMA  | pertinent details and  | d give pertinent date<br>npletions: Attach w                             | s, including estimated date<br>ellbore diagram of |  |  |  |
| caliper survey will be conducted on t  | he 3-1/2-inch injection tubing.   | The caliper survey is  | s scheduled to be per  | formed on June 19, 2013.                          |  |  |  |
|  |   |                        |  |   |  |  |  |
| avajo will conduct an acid stimulation<br>the stimulation fluid will consist of 20                                   | of the injection interval in the V  | WDW-2 to increase i    | injectivity into the pa  | ermitted injection zone.                          |  |  |  |
| ne stimulation fluid will consist of 20,<br>id will be injected into the well using                                  | coil tubing equipment   | jected into the perfor | rated interval of 7,27   | 0 to 8,894 feet RKB. The                          |  |  |  |
| J  | con tubing equipment.   |                        |  |   |  |  |  |
|  |   |                        |  |   |  |  |  |
|  |   |                        |  |   |  |  |  |
| OTE: Work is expected to be perform  | ed in June and July 2012  |                        |  |   |  |  |  |
| The work is expected to be performed   | ed in Julie and July 2013.  |                        |  |   |  |  |  |
|  |   |                        |  |   |  |  |  |
| <b></b>  |   |                        |  |   |  |  |  |
| ud Date:   | Rig Release Da  | 4                      |  |   |  |  |  |
|  | Rig Release Da  | ue:                    |  |   |  |  |  |
|  |   |                        |  | _   |  |  |  |
| ereby certify that the information abo   | ve is true and complete to the be   | st of my knowledge     | and balief   |   |  |  |  |
| ( 1 )  |   | st of my knowledge     | and benet.   |   |  |  |  |
| SNATURE fundty for   | TITLE Project   | ct Engineer            | DAT  | °E6-13-2013                                       |  |  |  |
| ne or print name   |   | 12201001               |  |   |  |  |  |
| pe or print name <u>Timothy Jones</u><br>IONE: <u>713-880-4640</u>   | E-mail addre  | ss: tjones@subs        | urfacegroup.com  |   |  |  |  |
| • State Use Only   |   |                        |  |   |  |  |  |
|  |   |                        |  |   |  |  |  |
|  |   |                        |  |   |  |  |  |
| PROVED BY: Chip. Chi<br>nditions of Approval (if any):   | TITLE Env.  | ronmental En           | gineer DATI  | 6/18/2013   |  |  |  |



# Map ID 35

| Yato<br>105<br>Arto   | 5161 Fax (57<br>tesia, NM 882<br>1283 Fax (57<br>Coad, Aztec, N<br>6178 Fax (50<br>5178 Fax (50<br>517, Santa Fe<br>3460 Fax (50<br>5 | Minerals an<br>Oil Conserv<br>1220 South<br>Santa Fe | e of New Mexico<br>als and Natural Resources<br>nservation Division<br>buth St. Francis Dr.<br>ta Fe, NM 87505<br>E-ENTER, DEEPEN, PLUGBACK, OR ADD A ZON<br><sup>2</sup> OGRID Number<br>025575<br><sup>3</sup> API Number<br>30-0/5-40/87<br><sup>8</sup> Well No.<br>1 |                  |                         |   |  |                      |               |                  |             |   |  |  |
|---|---|--|---|------------------|-------------------------|---|--|----------------------|---------------|------------------|-------------|---|--|--|
| L   |   | T  | ч<br>т  | 7                | Surface I               |   | ·  |                      |               | L                |             |   |  |  |
| UL - Lot<br>A   |   |  |   |                  | Feet from<br>660        |   | S Line<br>Orth   |                      | t From<br>990 | E/W Line<br>East |             | County<br>Eddy                              |  |  |
|   |   | I  | · · · · · · · · · · · · · · · · · · ·   | 8                | Pool Info               | rmatio  | nl   |                      |               |                  |             |   |  |  |
|   |   |  |   |                  | t Chester<br>ional Well | IInform   | nation   |                      |               |                  | 91          | 7825  |  |  |
|   | к Туре<br>т   | 1  | 10 Well Type  | Auun             | 11 Cable/Rotary         |   |  | <sup>2</sup> Lease 1 |               | 13 (             | Ground Leve | 1   |  |  |
| <sup>14</sup> Mu  |   |  |   |                  |                         |   | ary <u>State</u><br>nation <sup>17</sup> Contractor .<br>ster Not Determined |                      |               |                  |             | 3540' GL<br><sup>18</sup> Spud Date<br>ASAP |  |  |
| Depth to Grou   | <u>.</u>  |  |   | nce from nearest |                         |   |  |                      |               | to nearest surfa |             | <u>.</u>                                    |  |  |
|   |   |  | 19  | Proposed         | Casing an               | nd Cem  | ent Prog   | gram                 | ·             |                  |             |   |  |  |
| Туре  | Hol   | e Sıze 🗸   | Casing Size   | Casing We        | eıght/ft                | Setting Depth Sacks of C                          |  |                      |               |                  |             |   |  |  |
| New   |   | 7.5  | 13.375  | 48#              |                         | 400'  |  |                      | 425           |                  |             | 0   |  |  |
| New<br>New  |   | .25  | 9.625<br>5.5  | <u> </u>         |                         | 2500'<br>10500'                                   |  |                      | 235           |                  |             | 0   |  |  |
|   |   |  |   |                  |                         |   |  | -                    |               |                  |             |   |  |  |
|   |   |  | Casir   | ng/Cement        | Program:                | : Additi  | onal Co  | omme                 | ents          |                  |             |   |  |  |
|   |   |  |   |                  |                         |   |  | -                    |               |                  |             |   |  |  |
| ſ   | <b>T</b>  |  |   | Proposed B       |                         | reventio  | 0  |                      |               |                  |             | ]   |  |  |
| 'n  | Type  | am   |   | Vorking Pressure | e                       |   | Test Pres  |                      | 4             | ,                | Manufactı   | irer  |  |  |
|   | Suble R   | am   |   | 5000#            | i.                      |   | 5000   | <del>//</del>        |               |                  |             |   |  |  |
| I hereby certify that the information given above is true and complete to the best<br>of my knowledge and belief<br>I further certify that the drilling pit will be constructed according to<br>NMOCD guidelines [], a general permit ], or an (attached) alternative<br>OCD-approved plan Signature.<br>Printed name: Cy Cowan<br>Title: Land Regulatory Agent |   |  |   |                  |                         | Approved Date 4/10/2012 Expiration Date 4/10/2014 |  |                      |               |                  |             |   |  |  |
| E-mail Addre  | ss cy@ya  | tespetroleur   | n com   |                  | - #                     |   |  | 100                  | 16            |                  |             | / w· / _                                    |  |  |
| Date 02/14  | /2012   | ·  | Phone 575-  | 748-4372         | Co                      | onditions of                                      | Approval À   | tached               |               |                  | .'          |   |  |  |

| District I<br>1625 N. French Du<br>District II<br>1301 W. Grand Av<br>District III<br>1000 Rio Brazos F<br>District IV<br>1220 S. St. Francis<br>1<br>3.0-0.15.<br><sup>4</sup> Property.<br>35452 | venue, Artesi<br>id., Aztec, Ni<br>s Dr., Santa I<br>API Numbe<br>40/8 | a, NM 88210<br>M 87410<br>Fe, NM 87505 | 5               | OIL C<br>1<br>DCATIO<br><sup>2</sup> Pool Coc<br>782 | nerals & Natu<br>CONSERVA<br>220 South S<br>Santa Fe,<br>DN AND AC | ew Mexico<br>ral Resources Dep<br>ATION DIVISIO<br>St. Francis Dr.<br>NM 87505<br>CREAGE DEDI<br>WILD<br>ty Name<br>STATE COM | ON FEB 1 :<br>NMOCD A  | ວິ ຣີຟີອີກີກ່າະ to 2<br><u>\RTESIA</u><br>[  | Appropri<br>Sta<br>Fo<br>AM   | Form C-102<br>vised June 10, 2003<br>riate District Office<br>tte Lease - 4 Copies<br>ee Lease - 3 Copies<br>IENDED REPORT  |
|--|--|--|-----------------|--|--|---|--|--|---|---|
| <sup>7</sup> OGRID   | No.  |  |                 |  | <sup>8</sup> Operat  | or Name   |  |  |   | <sup>9</sup> Elevation  |
| 025575   |  | <u> </u>                               | ¥7              | ATES P   |  | M CORPORA   | TION   |  |   | 3540  |
| UL or lot no.  | Section  | Township                               | Range           | Lot Idn  | Feet from the  | e Location  | Feet from the  | East/West li   | íne   | County  |
| A  | 14   | 18-S                                   | 27-E            |  | 660  | NORTH   | 990  | EAS  |   | EDDY  |
| L  |  |  | <sup>II</sup> B | ottom He   | ole Location   | If Different Fro  | om Surface   |  |   | -44   |
| UL or lot no.  | Section  | Township                               | Range           | Lot Idn  | Feet from the  | North/South line  | Feet from the  | East/West li   | ne  | County  |
| <sup>12</sup> Dedicated Acre   | <sup>13</sup> Joint o  | r Infill 14                            | Consolidation   | Code 15 C  | ]<br>Drder No.   | <b>L</b>  | <u>.  </u>   |  |   |   |
| 320 E2 ·   |  |  |                 |  |  | ve been consolidate   |  | ·  |   |   |
|  |  | -                                      |                 |  |  | 0<br>990<br>LAT N32.75<br>LON W104.2  | I hereby<br>to the be<br>owns a w<br>location<br>contract<br>293<br>4397<br>the divisi<br>Signatur<br>C y<br>Printed 1 | certify that the inform<br>at of my knowledge at<br>orking interest in the<br>or has a right to drill<br>with an owner of such<br>greament or a compu-<br>on<br>Cowan<br>Cowan | nation conta<br>vel belief, am<br>land includ<br>this well at<br>in a working<br>ulsory poolu | RTIFICATION<br>iaread herein is true and complete<br>ad that this organization either<br>thing the proposed bottom hole<br>this location pursuant to a<br>interest, or to a volunitary<br>ng order heretofore entered by<br>02/14/12<br>Date<br>RTIFICATION |
|  |  |  |                 |  |  |   | I herel<br>plat we<br>made i<br>same i<br>FEBR<br>Date of<br>Signatu   | y certify that th<br>as plotted from j<br>ay me or under t   | The well lo<br>field note<br>my super<br>ect to the<br>$D_D$<br>estimates                     | ocation shown on this<br>es of actual surveys<br>rvision, and that the<br>e best of my belief.  |



NAVAJO REFINING COMPANY Map ID No. ろん Artificial Penetration Review

| OPERATOR Vates Petroleum Co. | STATUS Cancelled App       |
|------------------------------|----------------------------|
| LEASE Violet BIV State Com   | LOCATION Sec. 4 -T18S-R27E |
| WELL NUMBER <u>1C</u>        |                            |
| DRILLED NA                   |                            |
| PLUGGED NA                   | APINO. 30-015- 36939       |

REMARKS:

Proposed TD: 10,500'

|  |  |  |   |   |   |  |                          |                         |   |                                 | Μ                             | ap ID                          | 36  |
|--|--|--|---|---|---|--|--------------------------|-------------------------|---|---------------------------------|-------------------------------|--------------------------------|---|
| <sup>c</sup> T<br>District I<br>1625 N Frent<br>District II<br>1301 W Gran<br>District III<br>1000 Rio Bra:<br>District IV | nd Avenue,<br>zos Road, A                            | Artesia, N<br>Aztec, NM                        | M 88210<br>87410                        | E<br>S  | ده<br>بر 0                                      | State o<br>Mineral<br>il Conso<br>220 Sou          | s and<br>ervat<br>1th St | Natur<br>ion D<br>Franc | al Reso<br>ivision<br>c1s Dr.   |                                 |                               | _                              | Form C-1<br>June 16, 2<br>opriate District Off                  |
|  | ATION  | FOR  | IM 87505<br>PERMIT TO<br>D A ZONE       | O DRII  | LL, R   | Santa<br><b>E-ENT</b>                              |                          |                         |   |                                 |                               |                                |   |
| 11000  | 1011, 0  |  | Operator Nan                            | e and Add   | ress  |  |                          |                         |   |                                 | 2                             | 2 OGRID Numb                   | er  |
|  |  |  | Yates Petroleu                          | na Commonat   | V   |  |                          |                         |   |                                 |                               | 025575                         |   |
|  |  |  | 105 S 4                                 | <sup>th</sup> Street<br>M 88210                                   | uon   |  |                          |                         |   | × - 2                           | <u>n-</u>                     | <sup>3</sup> API Number        | 120   |
| <sup>3</sup> Prop  | erty Code  |  | Artesia, N                              | WI 88210  |   | <sup>5</sup> Property N                            | Jame                     |                         |   | `                               | <u>~</u> `                    |                                |   |
| Tiop   | -34452 <b>3</b> 1                                    | 5452   |   |   |   | olet BIV Sta                                       |                          | ı                       |   |                                 |                               |                                | 1   |
|  |  | <u>0 100</u>                                   | <sup>9</sup> Proposed Pool 1<br>Chester | •   |   |  |                          |                         |   | 10                              | <sup>10</sup> Proposed Pool 2 |                                |   |
| <sup>7</sup> Surface   | Locatio  | n  |   |   |   |  |                          |                         |   |                                 |                               |                                |   |
| UL or lot no<br>A  | Section<br>14  | Townsh<br>18S                                  | ip Range<br>27E                         |   | ot Idn<br>A                                     | Feet from<br>660                                   |                          |                         | h/South line Feet from<br>North 990'                                    |                                 | ie                            | East/West line<br>East         | County<br>Eddy  |
| <sup>8</sup> Proposed  | Bottom H   | lole Loc                                       | ation If Differen                       | nt From S   | Surface   |  |                          |                         | I   |                                 |                               | L                              | ·   |
| UL or lot no   | Section  | Townsh   |   |   | ot Idn  | Feet fror  | m the                    | North/                  | South lin   | Feet from th                    | ie                            | East/West line                 | County  |
| Additiona  |  | Informa  | ation                                   |   |   |  |                          |                         |   |                                 |                               |                                |   |
| <sup>11</sup> Work   | Type Code<br>N                                       |  | <sup>12</sup> Well Type G<br>G ∖        | Code  |   | <sup>13</sup> Cable/                               | 'Rotary                  |                         | 1   | <sup>4</sup> Lease Type Co<br>S | de                            | <sup>15</sup> Gro              | ound Level Elevation<br>3540'                                   |
| <sup>16</sup> J  | Multiple<br>N  |  | <sup>17</sup> Proposed D<br>10,500'     | epth  | th <sup>18</sup> Formation<br>Chester           |  |                          |                         | <sup>19</sup> Contractor <sup>20</sup> Spud Date<br>Not Determined ASAP |                                 |                               |                                |   |
| <sup>21</sup> Propos   | ed Casir   | ng and   | Cement Prog                             | gram  |   |  |                          |                         | ·   |                                 |                               |                                |   |
| Hole   | Size   | (  | Casing Size                             | Casıı   | ng weigh  | t/foot   |                          | Setting E               | epth  | Sacks                           | of Cem                        | ient                           | Estimated TOC   |
| 17.  | 12   |  | 13 375                                  |   | 48#   |  |                          | 400                     | ,   | 4                               | 25 sx                         |                                | 0   |
| 12 :   | 25   |  | 9 625                                   |   | 36#   |  |                          | 2500                    | )'  | 850 sx                          |                               |                                | 0   |
| 8 7  | '5   |  | 5.5                                     |   | 15 5#   |  | <b></b>                  | 1050                    | 0   | 23                              | 50 sx                         |                                | 0   |
| Describe the b<br>Yates Petro<br>and cement<br>can cement  | blowout pre<br>bleum Cor<br>curculated<br>ed, perfor | vention pr<br>poration<br>d Interr<br>ated and | ogram, if any Us<br>proposes to dr      | e <sup>additiona</sup><br>ill and tes<br>will be se<br>need to ga | l sheets 1<br>st the Cl<br>t at 250<br>ann prod | f necessary<br>hester/inte<br>0', cemen<br>luction | ermec<br>nt cırc         | liate for<br>ulated t   | mations.<br>to surfac   | Approxim<br>e If commo          | ately 4<br>ercial,            | 400' of surfac<br>production c | new productive zone<br>ce casing will be s<br>asing will be ran |

**BOPE PROGRAM**: a 5000# BOPE will be installed on the 9.625" casing and tested daily for operational.

Sources at YPC have relayed information to me that they believe there will not be enough H2S found from the surface to the Chester formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

| <sup>23</sup> I hereby certify that the informat<br>of my knowledge and belief | on given above is true and complete to the | OIL CONSERVATION DIVISION  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| Signature  | ma   | Approved by / acqui Reeves   |  |  |  |  |  |  |
| Printed name   |  | Title  |  |  |  |  |  |  |
| C Cowan  |  | District 11 Geologist  |  |  |  |  |  |  |
| Title  |  | Approval Date Expiration Date  |  |  |  |  |  |  |
| Regulatory Ag  | gent                                       | 2/23/09 2/23/2011  |  |  |  |  |  |  |
| E-mail Address   |  |  |  |  |  |  |  |  |
| cy@yatespetr   | oleum.com                                  | $\sim$   |  |  |  |  |  |  |
| Date   | Phone                                      | Conditions of Approval Attached  |  |  |  |  |  |  |
| February 6, 2009   | (575) 748-4372                             | ENTEIN   |  |  |  |  |  |  |
|  |  | and the second sec |  |  |  |  |  |  |

Map ID 36

| District.1<br>1625 N. French Dr., Hobbs, N.<br>District 11<br>4301 W. Grand Avenue, Artes<br>District 111<br>1000 Rio Brazos Rd., Aztec, N | ia, NM 88210 | Energy, Minerals & N<br>OIL CONSER<br>1220 Sout | New Mexico<br>Vatural Resources Department<br>VATION DIVISION<br>h St. Francis Dr.<br>e, NM 87505 |                        | Form C-102<br>Revised October 12, 2005<br>Appropriate District Office<br>State Lease - 4 Copres<br>Fee Lease - 3 Copres |
|--|--------------|---|---|------------------------|---|
| District IV<br>1220 S. St. Francis Dr., Santa  | Fe, NM 87505 | Şalita 1  | C, INN 07505  |                        | AMENDED REPORT  |
| WE   |              | LL LOCATION AND                                 | ACREAGE DEDICATIO   | N PLAT                 |   |
| <sup>1</sup> API Numbe   | -            | <sup>2</sup> Pool Code                          |   | <sup>3</sup> Pool Name |   |
| 30-015-3   | 6939         |   |   | Chester W              | ildCat  |
| Property Code  |              |   | operty Name<br>BIV State Com  |                        | <sup>6</sup> Well Number<br>1   |

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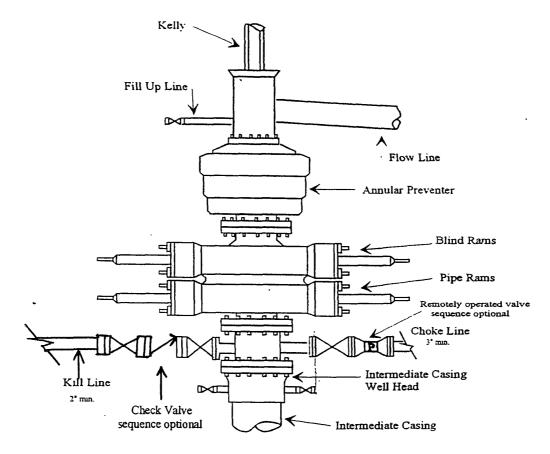
| <sup>7</sup> OGRID                 | No.           |                            | <sup>3</sup> Operator Name |                       |                       |                           |                       |                       | <sup>9</sup> Elevation |
|------------------------------------|---------------|----------------------------|----------------------------|-----------------------|-----------------------|---------------------------|-----------------------|-----------------------|------------------------|
| 025575 Yates Petroleum Corporation |               |                            |                            |                       |                       | 1                         | 3540'                 |                       |                        |
|                                    |               |                            |                            |                       | <sup>10</sup> Surface | Location                  |                       |                       |                        |
| UL or lot no.<br>A                 | Section<br>14 | Township<br>18S            | Range<br>27E               | Lot Idn               | Feet from the 660'    | North/South line<br>North | Feet from the<br>990' | East/West lin<br>East | e County<br>Eddy       |
|                                    |               | - <b>L</b>                 | <sup>II</sup> Be           | ottom Ho              | le Location I         | f Different Fro           | m Surface             | Laga,                 |                        |
| UL or lot no.                      | Section       | Township                   | Range                      | Lot Idn               | Feet from the         | North/South line          | Feet from the         | East/West lin         | e County               |
| "Dedicated Acre<br>320 ED          |               | r Iofill   <sup>14</sup> C | l<br>Consolidation         | Code <sup>15</sup> Or | rder No.              | L                         | 1                     |                       | I                      |

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

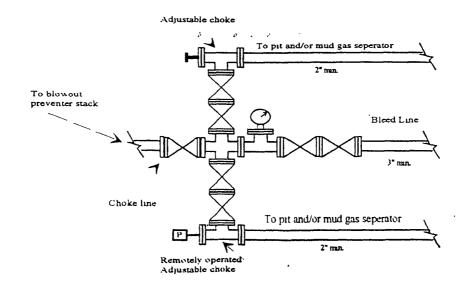
| 16 |     |   |           | <sup>17</sup> OPERATOR CERTIFICATION  |
|----|-----|---|-----------|---|
|    |     | - | Q         | I hereby certify that the information contained herein is true and complete |
|    |     |   | -099<br>9 | to the best of my knowledge and belief and that this organization either    |
|    |     |   |           | owns a working interest or unleased mineral interest in the land including  |
|    |     |   | 940       | the proposed bottom hole location or has a right to drill this well at this |
|    |     |   | UTU       | location pursuant to a contract with an owner of such a mineral or working  |
| ı, |     |   | ۰.        | interest, or to a voluntary pooling agreement or a compulsory poaling       |
|    |     |   | Q         | Dupler heretofore entered by the division                                   |
|    |     |   |           | Suggesture Jack 1/17/08   |
|    |     |   |           | Oor   |
|    |     |   |           | Cy Cowan, Regulatory Agent<br>Printed Name                                  |
|    |     |   |           | Printed Name  |
|    |     |   |           |   |
|    |     |   |           |   |
|    |     |   |           | <sup>18</sup> SURVEYOR CERTIFICATION  |
|    |     |   |           | I hereby certify that the well location shown on this                       |
|    |     |   |           | plat was plotted from field notes of actual surveys                         |
|    |     |   |           |   |
|    |     |   |           | made by me or under my supervision, and that the                            |
|    | l j |   |           | same is true and correct to the best of my belief.                          |
| -  |     |   | -         | _   |
|    |     |   |           | Datt of Survey  |
|    |     |   |           | Signature and Seal of Professional Surveyor                                 |
|    |     |   |           |   |
|    |     |   |           |   |
|    |     |   |           | REFER TO ORIGINAL PLAT  |
|    |     | 1 |           | ,   |
|    |     | - |           |   |
|    |     |   | 1         | Certificate Number  |
|    |     |   |           |   |
|    |     |   |           |   |

| <u>District I</u><br>1625 N. French I<br><u>District II</u> | )r., Hobbs, N            | M 88249  | E               | •                     |                  | ew Mexico<br>ral Resources Dep |  |  |   | For<br>vised June   |
|---|--------------------------|--|-----------------|-----------------------|------------------|--------------------------------|--|--|---|---|
| 1301 W. Grand   | weens, Arter             | ile, NM 88210  |                 | OIL C                 | CONSERVA         | ATION DIVISIC                  | N :  | Submit to  | •••••   | riate Distri<br>ate Lease -   |
| <u>District III</u><br>1009 Rie Brazes                      | Rd., Aster, N            | M 87410  |                 | 1                     | 220 South S      | St. Francis Dr.                |  |  |   | ee Lease -  |
| District IV   |                          |  |                 |                       | Santa Fe,        | NM 87505                       |  |  |   |   |
| 1220 S. St. Franc   | is Dr., Santa            |  |                 | 00.770                |                  |                                |  |  |   | IENDED  |
|   | API Numb                 | the second second second second second second second second second second second second second second second s | <u>VELL LI</u>  | <sup>2</sup> Peel Ced |                  | CREAGE DEDI                    | CATION PLA<br>Post N   | the second second second second second second second second second second second second second second second s   |   |   |
| 30  | -015-                    | •  |                 |                       |                  |                                |  |  |   |   |
| <sup>4</sup> Property                                       |                          |  |                 |                       | •                | ty Name                        | **************************************   |  |   | • Well Namt   |
| 354   |                          | <u> </u>   |                 | VIO                   |                  | STATE COM                      |  |  |   | 1   |
| OCRE  |                          |  | *7              |                       | -                |                                |  |  |   | * Elevation   |
| 255   | 12                       | <u> </u>   | Y/              | ATES P                |                  | IM CORPORA                     | TION   |  | I   | 3540  |
| UL or lot up.   | Section                  | Township   | Range           | Lot Ida               | Feet from the    | e Location                     | Feet from the  | East/West  | line  | County  |
| A   | 14                       | 18-S   | 27-E            |                       | 660              | NORTH                          | 990  | EA   |   | ED  |
|   |                          |  | <sup>II</sup> B | ottom He              | ole Location     | If Different Fro               | m Surface  |  |   |   |
| UL or lot no.   | Section                  | Township   | Range           | Lot ida               | Feet from the    | North/South line               | Feet from the  | East/West  | liac  | County  |
| 12 Dedicated Act  | re <sup>13</sup> Joint ( |  | Consolidation   | L                     | Jeder Ns.        |                                |  |  |   |   |
| No allowable<br>division.                                   | will be as               | ssigned to the   | his comple      | etion until :         | all interests ha | ve been consolidate            | 17<br>I hereby cert<br>to the best of  | OPERATO<br>hiji iku ike infor<br>f my inuwledge i  | OR CE<br>mailon const<br>and bellef, a  | RTIFICA<br>about herein is i<br>nd that this argu   |
| division.   | e will be a              | ssigned to t   | his comple      | etion until :         | all interests ha | 990<br>LAT N32.75              | 17<br>1 hereby cert<br>10 the best of<br>courts a work<br>10 contract with<br>293 pooling ago  | OPERATO  | OR CE)<br>mailon cont<br>and belief, a<br>ne kand inclus<br>il thus well a<br>ch a warking  | RTIFICA<br>wheel herein is a<br>red that this orga<br>ding the propose<br>of this location pu<br>g interest, or to a  |
| division.   | e will be a              | ssigned to t   | his comple      | etion until :         | all interests ha | 990                            | 17<br>1 hereby cert<br>10 the best of<br>courts a work<br>10 contract with<br>293 pooling ago  | OPERAT(<br>ng/ thus the infor<br>f my businkedge of<br>lang interest in th<br>has a right to dra<br>h an owner of suc  | OR CE)<br>mailon cont<br>and belief, a<br>ne kand inclus<br>il thus well a<br>ch a warking  | RTIFICA<br>wheel herein is a<br>nd that this orga<br>ding the propuse<br>it this location pu<br>g interest, or to a   |
| division.   | e will be a              | ssigned to t   | his comple      | etion until :         | all interests ha | 990<br>LAT N32.75              | 17<br>1 hereby cent<br>to the best of<br>currer a work<br>bootion or i<br>construct well<br>293<br>1997 The division<br>Signature<br>Printed Nin   | DPERATO<br>injy ohas due bafor<br>( my bacwiedge d<br>trag inservest in the<br>has a right to dra<br>it an courser of an<br>annexit or a comp<br>DDD C<br>C<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T   | OR CE:<br>mailon cont<br>and belief, a<br>se land inclus<br>8 thas well a<br>ch a warking<br>pubbary pool   | RTIFICA<br>water determines in a series of the series<br>and that this errors<br>dring the proposed<br>interacts, or to a<br>large order hereits<br>Dat   |
| division.   | e will be a              | ssigned to t   | his comple      | etion until :         | all interests ha | 990<br>LAT N32.75              | 17<br>1 hereby cert<br>to the best of<br>contract web<br>293<br>4397 Ne division<br>Signature<br>Printed Net<br>18<br>SUF<br>1 hereby<br>plat was  | DPERATO<br>injy data dae infor<br>( my knowledge d<br>ang interest in the<br>has a right to data<br>har owner of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>annent or a comp<br>of an<br>an<br>an<br>an<br>an<br>an<br>an<br>an<br>an<br>an   | OR CEI<br>mation cont<br>and belief, a<br>se land inclus<br>it thas well a<br>ch a working<br>pubbary pool<br>of the second<br>of the second<br>the well h<br>is field noor   | RTIFICA<br>classed hereito is a<br>ned that bits orga<br>ding the propose<br>of this location particular<br>is indexest, or to a<br>ling order hereito<br>Data<br>Data<br>Data<br>Data<br>Data<br>Data<br>Data<br>Da  |
| division.   | e will be a              | ssigned to t   | his comple      | etion until :         | all interests ha | 990<br>LAT N32.75              | 17<br>1 hereby cert<br>to the best of<br>constrained work<br>293<br>4397<br>10 contrained<br>293<br>10 contrained<br>293<br>10 contrained<br>293<br>10 contrained<br>10 contrained<br>293<br>10 contrained<br>10 contrained<br>293<br>10 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| OR CEI<br>mation cont<br>and belief, a<br>se land inclus<br>it that well a<br>ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch a warking<br>parbary pool<br>a ch 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# Yates Petroleum Corporation



Typical 5,000 psi choke manifold assembly with at least these minimun features



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Form C-144 CLEZ

Page 1 of 2

|  | State of New Mexi   | co Form C-144 CLEZ   |
|--|---|--|
| District 1<br>1625 N French Dr., Habbs, NM 88240   | Energy Minerals and Natural   |  |
| District II<br>1301 W Grand Avenue, Artesia, NM 88210                                    | Department  | For closed-loop systems that only use above  |
| District II]<br>1000 Rio Brazos Koad, Aztee, NM 87410                                    | Oil Conservation Div  | <ul> <li>to implement waste removal for closure, submit</li> </ul>   |
| District IV<br>1220 5 St. Francis Dr., Sunta Fe, NM 87505                                | 1220 South St. Franci   | s Dr. to the appropriate NMOCD District Office.  |
|  | Santa Fe, NM 875  |  |
| Closed-I   | oop System Permit or Clo  | sure Plan Application  |
| (that only use above groun   |   | pose to implement waste removal for closure)   |
|  | Type of action 🛛 🖾 Permit   |  |
| Instructions: Please submit one application (Fo  | rm C-144 CLEZ) per individual closed-loa  | p system request. For any application request other than for a   |
| closed-loop system that only use above ground s  | eel tanks or han-off pins and propose to t  | mplement waste removal for closure, please submit a Form C-144.<br>perations result in pollution of surface water, ground water or the |
| environment. Nor does approval of this request does                                      | r of its responsibility to comply with any of                                       | her applicable governmental authority's rules, regulations or ordinances   |
| 1.   |   |  |
| Operator:Yates Petroleum Corporation   |   | OGRID #:025575   |
| Address:105 South Fourth Street, Artes   |   |  |
| Facility or well name: <u>Violet BIV State Com</u><br>API Number: <u>-30-015-34637</u> C | HI 30-015-36939   |  |
| API Number -30-015-34632 C   | CD Permit Number:   |  |
| U/L or Qtr/Qtr A Section 14  | TownshipISS Range   | 27E County: <u>Eddy</u>  |
| Center of Proposed Design: Latitude  | 293 Longitude   | 397NAD: 🛛 1927 🗋 1983  |
| Surface Owner: 🗋 Federal 🖾 State 🗂 Private   | 🔲 Tribal Trust or Indian Allotment  |  |
| 2.   |   |  |
| Closed-loop System: Subsection H of 19   | 15.17.11 NMAC   |  |
| Operation: 🖾 Drilling a new well 🗌 Workov  | er or Drilling (Applies to activities which   | require prior approval of a permit or notice of intent) 🔲 P&A  |
| 🗌 Above Ground Steel Tanks or 🛛 Haul-off   | Bins  |  |
|  |   |  |
| Signs: Subsection C of 19.15 17 11 NMAC<br>12"x 24", 2" lettering, providing Operator's  | - and site leastion and emergency talen   | hone numbers   |
| Signed in compliance with 19.15.3.103 NM   |   |  |
|  |   |  |
| 4.<br>Closed-loop Systems Permit Application Att   | achment Checklist: Subsection B of 19   | .15.17.9 NMAC  |
| Instructions: Each of the following items mu   | st be attached to the application. Please   | indicute, by a check mark in the box, that the documents are   |
| attached.  | e requirements of 19.15.17.11 NMAC  |  |
| M Operating and Maintenance Plan - based   | upon the appropriate requirements of 19.  | 15.17.12 NMAC  |
|  |   | of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  |
| Previously Approved Design (attach copy  |   |  |
| Previously Approved Operating and Maint  |   |  |
| 5.<br>Waste Removal Closure For Closed-loop Sy   | stems That Utilize Above Ground Steel   | Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)  |
|  | acilities for the disposal of liquids, drilli                                       | ng fluids and drill cuttings. Use attachment if more than two  |
| facilities are required. Disposal Facility Name: <u>Gandy Marley</u>                     | Disp  | asal Facility Permit Number: <u>NM-01-0019</u>   |
| Disposal Facility Name: <u>CRI</u>   | Disp  | osal Facility Permit Number: <u>R-9166</u>   |
| Disposal Facility Name: Lea Land   | Dist  | osal Facility Permit Number: <u>NM-1-035</u>   |
| Wall any of the proposed closed-loop system B  | berations and associated activities occur of  | n'or in areas that will not be used for future service and operations?   |
| Yes (If yes, please provide the informati  | on below) 🖾 No  |  |
| Required for imported areas which will not be  | used for future service and operations.   | ·  |
| Soil Backfill and Cover Design Specific  | ations based upon the appropriate requ<br>ropnate requirements of Subsection 1 of 1 | irements of Subsection II of 19.15.17.13 NMAC  |
| Site Reclamation Plan - based upon the app   | appropriate requirements of Subsection G  | of 19.15.17.13 NMAC  |
|  |   | 0209130  |
|  |   | UQVICAU  |
|  |   |  |
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Oil Conservation Division

MAR-10-2009 TUE 10:21 AM YATES PETROLEUM LAND

| 15057484572 |  |
|-------------|--|
|             |  |

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| 6<br>Operator Application Certification:  |   |  |  |  |  |
|---|---|--|--|--|--|
| I hereby certify that the information submitted with this application is true, accura   | te and complete to the best of my knowledge and belief.   |  |  |  |  |
| Name (Print): Cy Coyan  | Title: Regulatory Agent   |  |  |  |  |
| Signature: 1800   | Date: 2/6/09  |  |  |  |  |
| e-mail address:   |   |  |  |  |  |
| 7.<br>OCD Approval: 🕅 Permit Application (including closure plan) 🗋 Closure Pla   | an (only)   |  |  |  |  |
| OCD Representative Signature:   | Approval Date: 02-24-09   |  |  |  |  |
| Title:  |   |  |  |  |  |
| Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC     Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report.     The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this     section of the form until an approved closure plan has been obtained and the closure activities have been completed.     Closure Completion Date: |   |  |  |  |  |
|   |   |  |  |  |  |
| Closure Report Regarding Waste Removal Closure For Closed-loop Systems<br>Instructions: Please indentify the facility or facilities for where the liquids, drill  | <u>That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u><br>ing fluids and drill cuttings were disposed. Use attachment if more than |  |  |  |  |
| two facilities were utilized.   |   |  |  |  |  |
| Disposal Facility Name:   | Disposal Facility Permit Number:  |  |  |  |  |
| Disposal Facility Name:   | Disposal Facility Permit Number:  |  |  |  |  |
| Were the closed-loop system operations and associated activities performed on or<br>Ves (If yes, please demonstrate compliance to the items below) No   | in arcus that will not be used for future service and operations?   |  |  |  |  |
| Required for impacted areas which will not be used for future service and operation<br>Site Reclamation (Photo Documentation)<br>Soil Backfilling and Cover Installation<br>Re-vegetation Application Rates and Seeding Technique   | ons:  |  |  |  |  |
| 10.   |   |  |  |  |  |
| Operator Closure Certification:<br>I hereby certify that the information and attachments submitted with this closure re-<br>belief. I also certify that the closure complies with all applicable closure requirem   | eport is true, accurate and complete to the best of my knowledge and<br>ents and conditions specified in the approved closure plan.             |  |  |  |  |
| Name (Print):   | Title:  |  |  |  |  |
| Signature   | Date:   |  |  |  |  |
| e-mail address:   | Telephone   |  |  |  |  |

Oil Conservation Division

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# Yates Petroleum Corporation Closed Loop System

## Equipment Design Plan

Closed Loop System will consist of:

1 - double panel shale shaker

1 - (minimum) Centrifuge, certain wells and flow rates may require 2 centrifuges On certain wells, the Centrifuge will be replaced by a Clackco Settling Tank System 1 - minimum centrifugal pump to transfer fluids

2- 500 bbl. FW Tanks

1 - 500 bbl. BW Tank

1 - half round frac tank - 250 bbl. capacity as necessary to catch cement / excess mud returns generated during a cement job.

1 Set of rail cars / catch bins

Certain wells will use an ASC Auger Tank

## **Operation** Plan

All equipment will be inspected at least hourly by rig personnel and daily by contractors personnel.

Any spills / leaks will be reported to YPC, NMOCD, and cleaned up without delay.

## Closure Plan

Drilling with Closed Loop System, haul off bins will be taken to Gandy Marley, CRI and Lea Land Farm.

| Submit 3 Copies To Appropriate District Office   | State of New Mexico<br>Energy, Minerals and Natural Resources  | Form C-103<br>June 16, 2008  |
|--|--|--|
| District I<br>1625 N. French Dr., Hobbs, NM 88240<br>District II                                       |  | WELL API NO.<br>30-015-36939   |
| 1301 W. Grand Ave., Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd., Aztec, NM 87410          | OIL CONSERVATION DIVISION<br>1220 South St. Francis Dr.  | 5. Indicate Type of Lease<br>STATE STATE FEE   |
| District IV<br>1220 S. St. Francis Dr., Santa Fe, NM<br>87505  | Santa Fe, NM 87505   | 6. State Oil & Gas Lease No.<br>VA-2131  |
| SUNDRY NOTIC<br>(DO NOT USE THIS FORM FOR PROPOSA  | ES AND REPORTS ON WELLS<br>ALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A<br>TION FOR PERMIT" (FORM C-101) FOR SUCH | 7. Lease Name or Unit Agreement Name<br>Violet BIV State Com                                     |
| PROPOSALS.)<br>1. Type of Well: Oil Well 🗌 G   | ,  | 8. Well Number   |
| 2. Name of Operator<br>Yates Petroleum Corporation   |  | 9. OGRID Number<br>25575   |
| <ol> <li>Address of Operator</li> <li>S. 4<sup>th</sup> Street, Artesia, New Mexic</li> </ol>          | co 88210   | 10. Pool name or Wildcat<br>Chester  |
| 4. Well Location   |  |  |
|  | feet from the <u>North</u> line and <u>990</u> feet from<br>nship 18S Range 27E NMPM                             | m the <u>East</u> line<br>County Eddy  |
|  | 11. Elevation (Show whether DR, RKB, RT, GR, etc<br>3540' GR   |  |
| 12 Check Ar  | opropriate Box to Indicate Nature of Notice  | Report or Other Data   |
|  |  |  |
|  |  | BSEQUENT REPORT OF:<br>RK  |
| TEMPORARILY ABANDON  | CHANGE PLANS COMMENCE DE   | RILLING OPNS. P AND A  |
| PULL OR ALTER CASING   | MULTIPLE COMPL CASING/CEMEI  |  |
| OTHER:   | OTHER:   | Extend APD   |
| <ol> <li>Describe proposed or comple<br/>of starting any proposed work<br/>or recompletion.</li> </ol> | ted operations. (Clearly state all pertinent details, a k). SEE RULE 1103. For Multiple Completions: A           | nd give pertinent dates, including estimated da<br>Attach wellbore diagram of proposed completic |
| -  | s to extend the Application for Permit to Drill fo   | one<br>r two years until February 23, 2018.  |
|  |  |  |
| Thank you,<br>Current NMOCD rules a  |  | RECEIVED   |
| regulations must be me   | nylal extension  | JAN <b>1 9</b> 2011  |
| time of drilling   |  | R I  |
| time of utiling  | EXPIRES: 2/23/2012   | NMOCD ARTESIA  |
| I hereby certify that the information al   | bove is true and complete to the best of my knowled  | lge and belief.  |
| Can Ar a   |  |  |
| SIGNATURE  | TITLE Land Regulatory Technician   | DATE January 14, 2011  |
|  | rs E-mail address <u>montis@yates</u>  | petroleum.com PHONE: (575) 748-424   |
| APPROVED BY: DOUGLE LS.<br>Conditions of Approval (if any):  | TITLE Field Superviso  | <u>C</u> DATE <u>1-26-11</u>   |
| · · ·  |  |  |
|  |  |  |
|  |  |  |

| District I<br>1625 N French D., Hobbs, NM 88240<br>District II.<br>1301 W Grand Avenue, Artesia, NM 88210<br>District III<br>1000 Rio Brazos Road, Aztec, NM 87410<br>District IV<br>1220 S St. Francis Dr, Santa Fe, NM 87505 | State of New Mexico<br>Energy Minerals and Natural Resources<br>Department<br>Oil Conservation Division<br>1220 South St. Francis Dr.<br>Santa Fe, NM 87505   | Form C-144 CLEZ<br>July 21, 2008<br>For closed-loop systems that only use above<br>ground steel tanks or haul-off bins and propose<br>to implement waste removal for closure, submit<br>to the appropriate NMOCD District Office. |
|--|---|---|
|  | <u>d-Loop System Permit or Closure Plan</u>   |   |
| Instructions: Please submit one application closed-loop system that only use above grou  | Type of action: Permit Closure<br>(Form C-144 CLEZ) per individual closed-loop system reque<br>and steel tanks or haul-off bins and propose to implement wast | est. For any application request other than for a<br>removal for closure, please submit a Form C-144.   |
| Please be advised that approval of this request d<br>environment. Nor does approval relieve the ope  | loes not relieve the operator of hability should operations result<br>erator of its responsibility to comply with any other applicable g                      | in pollution of surface water, ground water or the governmental authority's rules, regulations or ordinances.   |
| 1.<br>Operator: <u>Yates Petroleum Corporat</u>  | ion OGRID #:  |   |

| Operator:Yates Petroleum Corporation   | OGRID #: <u>02557</u>   | <u>5</u>     | RECEIVED                  |  |  |  |  |
|--|-------------------------|--------------|---------------------------|--|--|--|--|
| Address:105 South Fourth Street, Artesia, New Mexico 88210   |                         |              | neverved                  |  |  |  |  |
| Facility or well name: Violet BIV State Com #1<br>30-015-36939   |                         |              | FEB <b>15</b> 2012        |  |  |  |  |
| API Number: OCD.Permit Number:   | 204130                  |              |                           |  |  |  |  |
| U/L or Qtr/QtrA Section14 Township18S Range  |                         |              | NMOCD ARTESIA             |  |  |  |  |
| Center of Proposed Design: Latitude <u>N32.75293</u> Longitude <u>W104.24</u>  | 1397NAD                 | r: ⊠1927     | 1983                      |  |  |  |  |
| Surface Owner: 🗌 Federal 🖾 State 🗋 Private 🛄 Tribal Trust or Indian Allotment  |                         |              |                           |  |  |  |  |
| 2.  2.  3.  3.  3.  3.  3.  3.  3.  3.   |                         |              |                           |  |  |  |  |
| 3. Signs: Subsection C of 19.15.17 11 NMAC   |                         |              |                           |  |  |  |  |
| 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telep  | ohone numbers           |              |                           |  |  |  |  |
| $\boxtimes$ Signed in compliance with 19.15.3.103 NMAC   |                         |              |                           |  |  |  |  |
| [4.  |                         |              |                           |  |  |  |  |
| Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19  |                         |              |                           |  |  |  |  |
| Instructions: Each of the following items must be attached to the application. Please attached.  | пансате, ву а спеск тан | k in ine do. | x, inat the accuments are |  |  |  |  |
| <ul> <li>attached.</li> <li>☑ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>☑ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>☑ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC</li> </ul> |                         |              |                           |  |  |  |  |
| Previously Approved Design (attach copy of design) API Number:   |                         |              |                           |  |  |  |  |
| Previously Approved Operating and Maintenance Plan API Number:   |                         |              |                           |  |  |  |  |
| 5.<br>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)<br>Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two<br>facilities are required.  |                         |              |                           |  |  |  |  |
| Disposal Facility Name:       Gandy Marley       Disposal Facility Permit Number:       NM-01-0019         Disposal Facility Name:       CRI       Disposal Facility Permit Number:       NM-01-0019         Disposal Facility Name:       Lea Land       Disposal Facility Permit Number:       NM-01-0019  |                         |              |                           |  |  |  |  |
| Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future service and operations?<br>Ves (If yes, please provide the information below) No   |                         |              |                           |  |  |  |  |
| Required for impacted areas which will not be used for future service and operations. Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection G               | 19.15.17 13 NMAC        | of 19.15.1   | 7.13 NMAC                 |  |  |  |  |

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Form C-144 CLEZ

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Oil Conservation Division

Page 1 of 2

| <u> </u>   | 1   |
|--|---|
| 6<br>Operator Application Certification:   |   |
| I hereby certify that the information submitted with this application is true  | e, accurate and complete to the best of my knowledge and belief.  |
| Name (Print): Cy Coyan   | Title: <u>Regulatory Agent</u>  |
| Signature:   | Date: <u>2/6/09</u>   |
| e-mail address:  | Telephone: <u>575-748-4372</u>  |
| 7.<br>OCD Approval: X Permit Application (including closure plan)  | osure Plan (only)   |
|  | Approval Date: 02-24-09   |
| Title: District 11 Geodograf   | OCD Permit Number: 0209/36  |
|  | prior to implementing any closure activities and submitting the closure report.<br>ays of the completion of the closure activities. Please do not complete this |
| 9.   |   |
| Closure Report Regarding Waste Removal Closure For Closed-loop S<br>Instructions: Please indentify the facility or facilities for where the liquit<br>two facilities were utilized.  | ystems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:<br>ds, drilling fluids and drill cuttings were disposed. Use attachment if more than        |
| Disposal Facility Name:  | Disposal Facility Permit Number:  |
| Disposal Facility Name:  | Disposal Facility Permit Number:  |
| Were the closed-loop system operations and associated activities performe<br>Yes (If yes, please demonstrate compliance to the items below)  |   |
| Required for impacted areas which will not be used for future service and         Site Reclamation (Photo Documentation)         Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique | operations:   |
| <sup>10.</sup><br><u>Operator Closure Certification</u> :<br>I hereby certify that the information and attachments submitted with this c<br>belief. I also certify that the closure complies with all applicable closure re            | losure report is true, accurate and complete to the best of my knowledge and equirements and conditions specified in the approved closure plan.                 |
| Name (Print):  | Title:  |
| Signature  | Date:   |
| e-mail address:  | Telephone   |

Oil Conservation Division

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# Equipment Design Plan

Closed Loop System will consist of:

1 – double panel shale shaker

1 - (minimum) Centrifuge, certain wells and flow rates may require 2 centrifuges On certain wells, the Centrifuge will be replaced by a Clackco Settling Tank System

1 – minimum centrifugal pump to transfer fluids

2- 500 bbl. FW Tanks

1-500 bbl. BW Tank

1 - half round frac tank - 250 bbl. capacity as necessary to catch cement / excess mud returns generated during a cement job.

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## **Operation Plan**

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