STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: - EOR_X_Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Yes X_No
II.	OPERATOR: Celero Energy II, LP
	ADDRESS: 400 West Illinois Avenue, Suite 1601, Midland, Texas 79701
	CONTACT PARTY: Mr. John E. Anderson or Mr. David Catanach PHONE: (817) 708-3814 or (505) 690-9453
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project:
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: John E. AndersonTITLE: Petroleum Engineer
	SIGNATURE: Date: O1/18/11
*	E-MAIL ADDRESS: janderson@celeroenergy.com If the information required under Sections VI, VIII, X, and XI above has been previous Please show the date and circumstances of the earlier submittal: Exhibit No.
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant:
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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

C-108 Application Celero Enegy II, LP Denton Devonian Waterflood Pilot Project

January, 2010

Pilot Project Lease Location: S/2 SW/4 of Section 25;

NW/4 & W/2 NE/4 of Section 36;

Both in Township 14 South, Range 37 East, NMPM

- I. The purpose of the application is to request approval to convert the W. T. Mann "A" No. 2 well and the T. D. Pope "36" No. 10 well to water injection wells to test the waterflood potential in the Denton Devonian reservoir.
- II. Celero Energy II, LP 400 W. Illinois Suite 1601 Midland, Texas 79701

Contact Parties: Mr. John E. Anderson (817) 708-3814

Mr. David Catanach (505) 690-9453

- III. Injection well data sheets and wellbore schematic diagrams showing the current and proposed wellbore configurations are attached.
- IV. This is not an expansion of an existing project.
- V. Enclosed are maps that identify all wells/leases within a 2-mile radius of the proposed disposal well and a map that identifies the ½ mile "Area of Review" ("AOR").
- VI. AOR well data is attached. Well construction data is included for all existing wells within the AOR that penetrate the Devonian formation. Also included are wellbore diagrams for each PA'd well and lateral well within the AOR. An examination of this data indicates that all AOR wells are adequately cased, cemented and/or plugged and abandoned in order to preclude the movement of fluid from the injection zone into other formations or fresh water aquifers.
- VII. Data on the Proposed Operation:
 - 1. The proposed average water injection rate is 20,000 BWPD and the proposed maximum injection rate is 20,000 BWPD for the T. D. Pope "36" No. 10 water injection well. The proposed average water injection rate is 20,000 BWPD and the proposed maximum injection rate is 20,000 BWPD for the W. T. Mann "A" No. 2 water injection well. If the average or maximum rates increase in the future, the Division will be notified.

- 2. The system will be closed.
- 3. Celero Energy II, LP will initially inject water into the subject well at a surface pressure that is in compliance with the Division's limit of 0.2 psi/ft., or 2,545 psi. Subsequent to obtaining approval for injection, a step rate injection test may be conducted on the subject well, if necessary, in order to obtain a higher surface injection pressure.
- 4. Produced water from the Denton-Devonian Pool originating from Celero Energy II, LP operated wells in this area will be injected into the subject well.
- 5. Injection is to occur into a formation that is oil productive.

VIII. Geologic Age:

Devonian

Geologic Name:

Devonian

Gross Thickness:

1,100 Feet

Lithology:

Dolomite and Limestone

Refer to attached Denton Silurian/Devonian Stratigraphy, Type Log, and Structural Cross-Section.

USDW's: Ogallala is present at a maximum depth of 193'according to attached data obtained from the New Mexico State Engineer's Office. Geologic data indicates that the original oil/water contact within the Devonian reservoir occurs at a sub-sea depth between -8,900' and -8,950'.

- IX. Well will be stimulated with 10,000 gals. of 15% HCL.
- X. Logs were or will be filed at the time of drilling.
- XI. Attached is a fresh water analysis obtained from a fresh water well located within one-mile of the W. T. Mann "A" well No. 2 and the T. D. Pope "36" No. 10 well. This water analysis shows total dissolved solids to be approximately 1,928 mg/l.
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.

INJECTION WELL DATA SHEET

P		Hole Size: 12 1/4" Cemented with: 2400 Top of Cement: 1310	See Attached Wellbore Schematic Hole Size: 17 1/2" Cemented with: 375 Sx. Top of Cement: Surf	WELLBORE SCHEMATIC	WELL LOCATION: 660' FNL & 2310' FEL B FOOTAGE LOCATION UNIT LETTER S	WELL NAME & NUMBER: W T Mann A No. 2	OPERATOR: Celero Energy II, LP
Hole Size: 8 3/4" Cemented with: 600 Sx. or	Production Casing	Intermediate (2400 Sx. 1	urface	WELL CONSTRUCTION DATA Surface Casing	36 SECTION		
Casing Size: 7" @ 12,629"	asing	Casing Casing Size: 95/8" @ 4,788? orft3 Method Determined: T.S.	Casing Size: 13 3/8" @ 320' orft ³ Method Determined: Circulated	<u>ION DATA</u> ng	14 South TOWNSHIP		
12,629° ft ³		@ 4,788? 	8" @ 320' ft ³ Circulated		37 East RANGE	ł	1

Liner (Proposed)

4 ½" Liner 12,300'-12,900' to be cemented w/100 Sx.

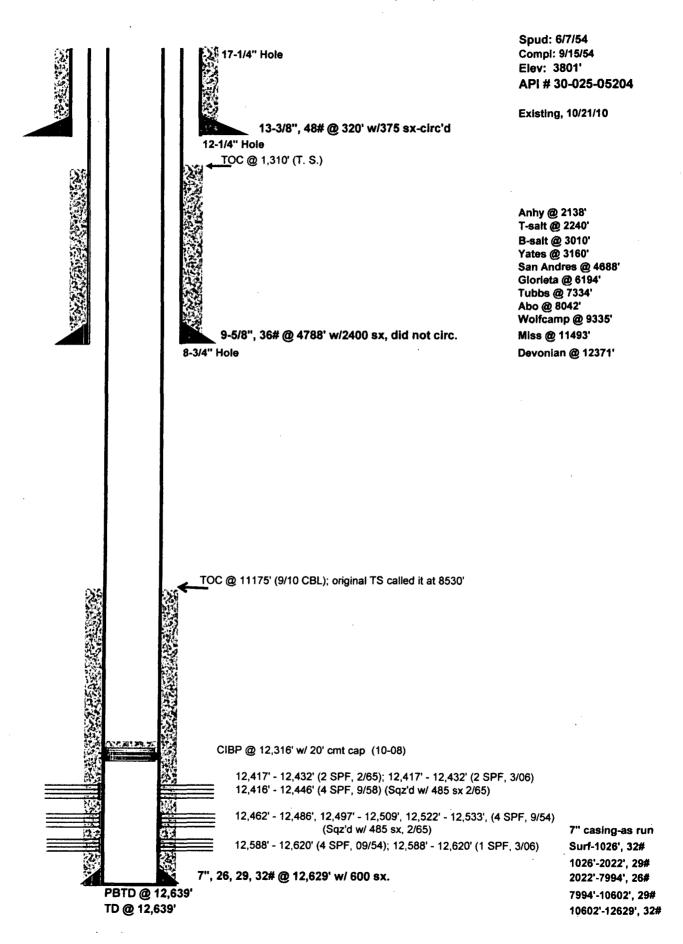
Current Total Depth: 12,639? Proposed Total Depth: 12,900?

Injection Interval

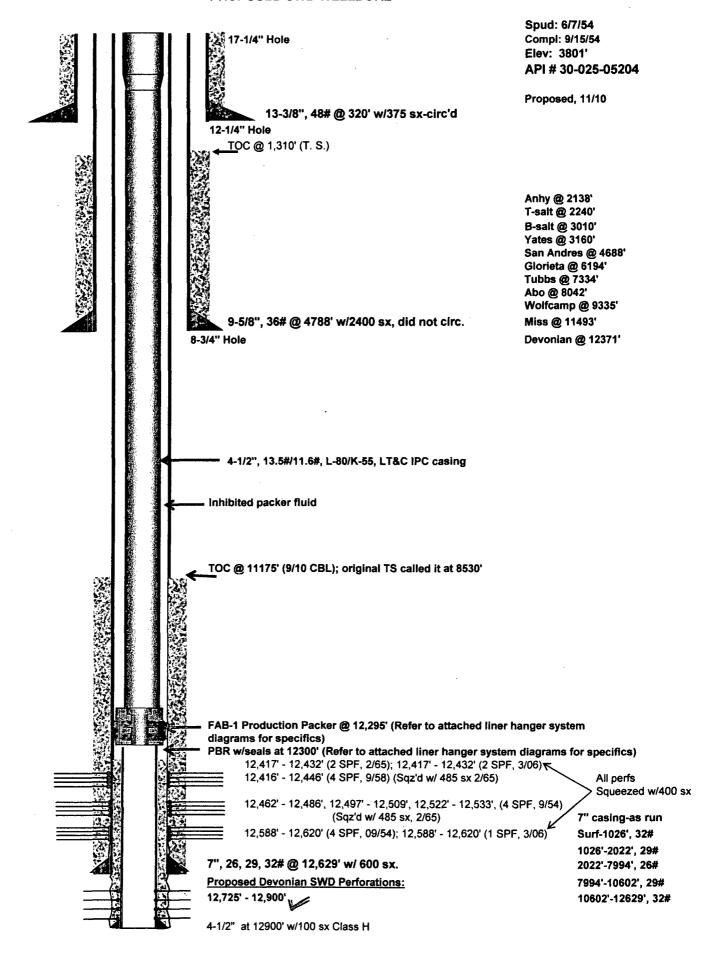
Devonian Formation: 12,376'-12,900' (Overall) Perforated

INJECTION WELL DATA SHEET

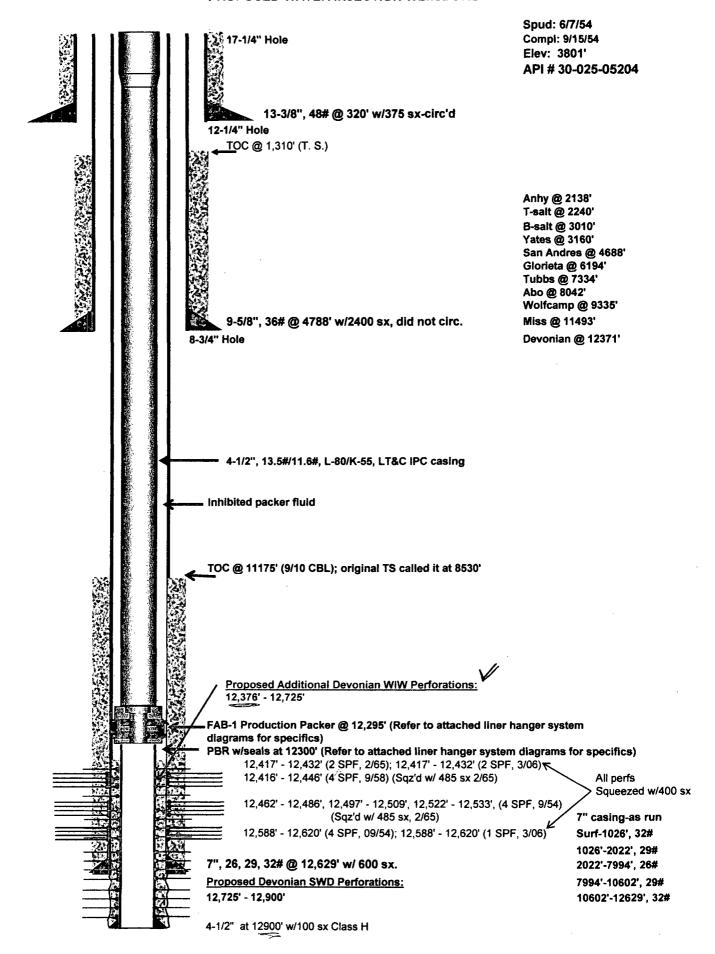
Tubir	Tubing Size:	4 ½" 13.5#/11.6# L-80/K-55	Lining Material:	Internally Plastic Coated
Туре	Type of Packer:	Baker Hughes FAB-1 Retainer Production Packer	uction Packer	
Packe	Packer Setting Depth:	12,295'		
Other	r Type of Tubing	Other Type of Tubing/Casing Seal (if applicable): 4 1/2" Liner at 12,300'-12,900' will be cemented w/100 Sx. cement and	iner at 12,300'-12,900' will b	be cemented w/100 Sx. cement and
inject	tion tubing will b	injection tubing will be landed w/seals in PBR @ 12,300°. Refer to attached liner hanger system diagrams for specifics Additional Data	Refer to attached liner hanger	r system diagrams for specifics.
	Is this a new w	Is this a new well drilled for injection:	Yes	X No
	If no, for what	If no, for what purpose was the well originally drilled:		Well was drilled in 1954 as an oil producer.
2.	Name of the I	Name of the Injection Formation: Devonian	ian	
μ	Name of Field	Name of Field or Pool (if applicable): Denton-Devonian Pool (16910)	onian Pool (16910)	
4.	Has the well e	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.	(s)? List all such perforated in	ntervals and give plugging detail,
	None			
5.	Give the name in this area:	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:	nderlying or overlying the pro	posed injection zone
	Dentor	Denton-Wolfcamp Pool (17290) (Depth Range: 9,000'-9,500')	nge: 9,000'-9,500')	



W. T. Mann "A" # 2 660' FNL & 2310' FEL of Sec. 36, T14S, R37E, Unit Letter "B" PROPOSED SWD WELLBORE



W. T. Mann "A" # 2 660' FNL & 2310' FEL of Sec. 36, T14S, R37E, Unit Letter "B" PROPOSED WATER INJECTION WELLBORE



4-1/2" 13.5# X 7" 32# LINER HANGER SYSTEM

CUSTOMER: CELERO ENERGY

DRAWING NO. 85FA47 TOL Isolation Celero WAMann a 2 SWD

APPROVED BY: MIKE METZA

COUNTRY: USA FIELD: DENTON

COUNTRY:	USA	FIELD: DENTON	DRAWN BY: JAY HARDESTY		
QUOTATION	N NO. JH11		'a" #2SWDDATE: 02-01-11 Baker (Dil Tools	
MAX. O.D.	MIN. 1.D.	WELL SCHEMATIC	DESCRIPTION	LENGTH	DEPTH
5.000"	3.920"		INJECTION TUBING SIZE: 4-1/2" THREADS: 4-1/2" 13.5 LBS/FT LTC MATERIAL: 80 KSI MYS		
5.563"	3.920"		CROSSOVER BUSHING		
			SIZE: 4-1/2" THREADS: 4-1/2" 13.5 LBS/FT LTC BOX X 12.75 MATERIAL: 80 KSI MYS PRODUCT FAMILY: 454-56	LBS/FT EU PIN	
5.563"	3.875		3 "K-22" ANCHOR TUBING SEAL NIPPLE		
			SIZE: 81FA47 THREADS: 4-1/2* 12.75 LBS/FT EU BOX & CHAI MATERIAL: 80 KSI MYUS PRODUCT FAMILY:	MFERED	
5.687"	4.000"		FAB-1 RETAINER PRODUCTION PACKER WITH 70 HD ELEMENT SIZE: 85FA+7 THREADS: NA MAIERIAL: 80 KSI MYS PRODUCT FAMILY: 427-02		
5.687"	4.000°		"B" GUIDE TO SEAL ASSEMBLY 5" 18 LBS/FT LTC PIN DOWN SIZE: 40 MATERIAL: 80 KSI MYS PRODUCT FAMILY: 299-69		
			NOTE: ALL FLOW WETTED AREAS TO BE INTERNAL AND EXTERNALLY NICKEL PLATED	LY	
5.563"	4.044"		6) PBR SEAL ASSEMBLY WITH 3 SETS OF MOLYGLAS SIZE: 5-1/4" THREADS: 5" 18 LBS/FT LTC BOX X 1/2 MULESH MATERIAL: 80 KSI MYS PRODUCT FAMILY:		
7.656"	6.094"		CASING (DRIFT: 5.969") 7" 32 LBS/FT SET @ 12,629' 80 KSI MYS		
5.750°	4.275"		7 EXISTING SETTING SLEEVE, BAKER TYPE "RH" WITEBACK EXTENSION (5.750" OD X 5.250" ID) SIZE: 5" 18 LBS/FT X 7" 26 — 32LBS/FT THREADS: 5" 18 LBS/FT LTC DOWN MATERIAL: 110 KSI MYS PRODUCT NO: 295—31—3002	тн 6'	

4-1/2 13.5# X / 32# LINER HANGER SYSTEM

CUSTOMER: CELERO ENERGY

COUNTRY: USA

FIELD: DENTON

DRAWING NO. 4.5X7.0_Liner_Celero_WAMann a 2 SWD

APPROVED BY: MIKE METZA

DRAWN BY: JAY HARDESTY

JOINTON	NO. JH11		ANN "A" #2SWDDATE:	001-11	Baker Oil T	0012	
AX. O.D.	MIN. I.D.	WELL SCHEMATIC		DESCRIPTION		LENGTH	DEPTH
5.13	NA		7	PUMP DOWN PLUG 1.812" NOSE OD SIZE: 2.000" MIN ID X 4.892" M/ THREADS: NA MATERIAL: NITRILE PRODUCT NO: 270-20-0056	AX ID		
4.750°	2.500"		(R)	LIFT NIPPLE WITH JUNK BONNET SIZE: 3-1/2" X 14' THREADS: 3-1/2" IF BOX X PIN MATERIAL: 110 KSI MYS PRODUCT NO: 265-20-0004			
5.250"	2.500"		R2				
5.187"	2.000"		R3	RH LINER SETTING TOOL SIZE: 5" WITH 4.646" OD FLOAT THREADS: 3-1/2" IF BOX X 2-3 MATERIAL: 110 KSI MYS			
5.750"	4.276"		1	PRODUCT NO: 265-23-0100 SETTING SLEEVE, BAKER TYPE "FIEBACK EXTENSION (5.750" OD SIZE: 5" 18 LBS/FI X 7" 26 - THREADS: 5" 18 LBS/FI LIC DO! MATERIAL: 110 KSI MYS	RH" WITH 6' X 5.250" ID) 32LBS/FT WN		
5.375"	2.000"			MATERIAL: 110 KSI MYS PRODUCT NO: 295–31–3002 LINER WIPER PLUG SWVEL SIZE: THREADS: 2–3/8" EU PIN UP MATERIAL: 110 KSI MYS PRODUCT FAMILY: 267–02–0026			
.875"	4.276"		2	HYFLO "111" RIGHT-HAND SET I SIZE: 5" 18 LBS/FT X 7" 26 - : THREADS: 5" 18 LBS/FT LTC PIN MATERIAL: 110 KSI MYS	32 LBS/FT X PIN		
.220°	1.812"	No.	8	PRODUCT FAMILY: 292–33–0067- LINER WIFER PLUG TYPE. "I" FOR 4.029" MAX ID WITH 3.687" OD: SIZE: 4-1/2" 12.6 - 15.10 LBS/ THREADS: NA MATERIAL: NITRILE PRODUCT NO: 269–21–0048			
1.276"	3.920"		3	CROSSOVER BUSHING SIZE: 5" X 4-1/2" THREADS: 5" 18# LTC BOX X 4- MATERIAL: 110 KSI MYS PRODUCT NO: 299-89	1/2# 13.5 LTC PIN		
.656"	6.094"			CASING (DRIFT: 5.969") 7" 32 LBS/FT SET @ 12,629' 80 KSI MYS			
5.000"	3.920"		(4)	LANDING COLLAR, BAKER TYPE " WITH BAFFLE PLATE SIZE: 4-1/2" 13.5 LBS/FT THREADS: 4-1/2" 13.5 LBS/FT L MATERIAL: 110 KSI MYS PRODUCT FAMILY:	TC BOX X PIN		
5.000"	3.920"		5		FILLED		
.000"	3.920"		O	LINER SET @ 12,300° - 12,900° SIZE: 4-1/2" 13.5 LBS/FT (DRIF THREADS: 4-1/2" 13.5 LBS/FT L MATERIAL 110 KSI MYS PRODUCT NO:	T 3.795")		
.000°	3.920"		O	SHOE TRACK - 3 JOINTS SIZE: 4-1/2" 13.5 LBS/FT THREADS: 4-1/2" 13.5 LBS/FT L' MATERIAL: 110 KSI MYS PRODUCT NO:	тс		
5.000"	3.920"		6	WEATHERFORD GEMOCO CEMENT IF FLOAT SHOE SIZE: 4-1/2" 13.5 LBS/FT THREADS: 4-1/2" 13.5 LBS/FT LMATERIAL: 110 KSI MYS			

OPERATOR: Celero Energy II, LP				
WELL NAME & NUMBER: T. D. Pope "36" #10				
WELL LOCATION: 350' FNL & 990' FWL	D	36	T14S	R37E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHEMATIC (See Attached)	WELL	CONSTRUCTIO	VELL CONSTRUCTION DATA (PROPOSED)	
		Surface Casing	asing	
	Hole Size: 17-1/4"		Casing Size: 13-3/8" @ 350'	@ 350'
	Cemented with: 600 sx.		or	ft ³
	Top of Cement: Surface		Method Determined: Circulated	Circulated
		Intermediate Casing	Casing	
	Hole Size: 12-1/4"		Casing Size: 9-5/8" @ 4800"	4800
	Cemented with: 1,150 sx		or	ft³
	Top of Cement: Surface		Method Determined: Circulated	Circulated
		Production Casing	Casing	
	Hole Size: 8-3/4"		Casing Size: 7" @12,100"	100'
	Cemented with: 1,700 sx.		or	ft ³
	Top of Cement: 4700'		Method Determined: CBL	CBL
	Total Depth: 12,750'			

(Perforated or Open Hole; indicate which)

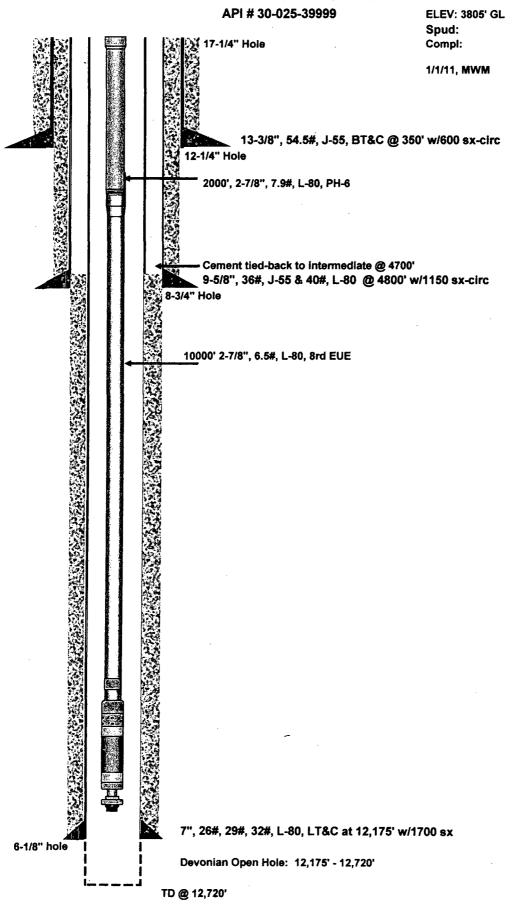
12,175' to 12,720' (Open Hole)

Injection Interval

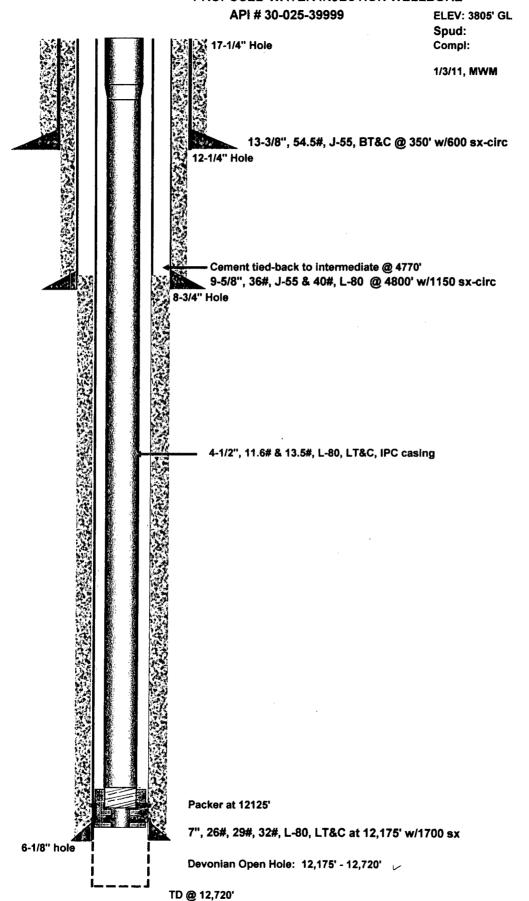
INJECTION WELL DATA SHEET

Tub	Tubing Size: 4-1/2"/ 11.6# & 13.5#/ L-80	Lining Material: Internally Plastic Coated
Туг	Type of Packer: Arrowset 1X	
Pac	Packer Setting Depth: 12,125'	
Oth	Other Type of Tubing/Casing Seal (if applicable): _	
	Additional Data	al Data
•	Is this a new well drilled for injection?	XYesNo
	If no, for what purpose was the well originally drilled?	drilled?
2.	Name of the Injection Formation: Devonian	
ယ	Name of Field or Pool (if applicable): Denton - Devonian Pool (16910)	– Devonian Pool (16910)
4.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No	zone(s)? List all such perforated cement or plug(s) used. No
S	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Denton – Wolfcamp Pool (17290) (9,000' – 9,500')	es underlying or overlying the proposed p Pool (17290) (9,000' – 9,500')

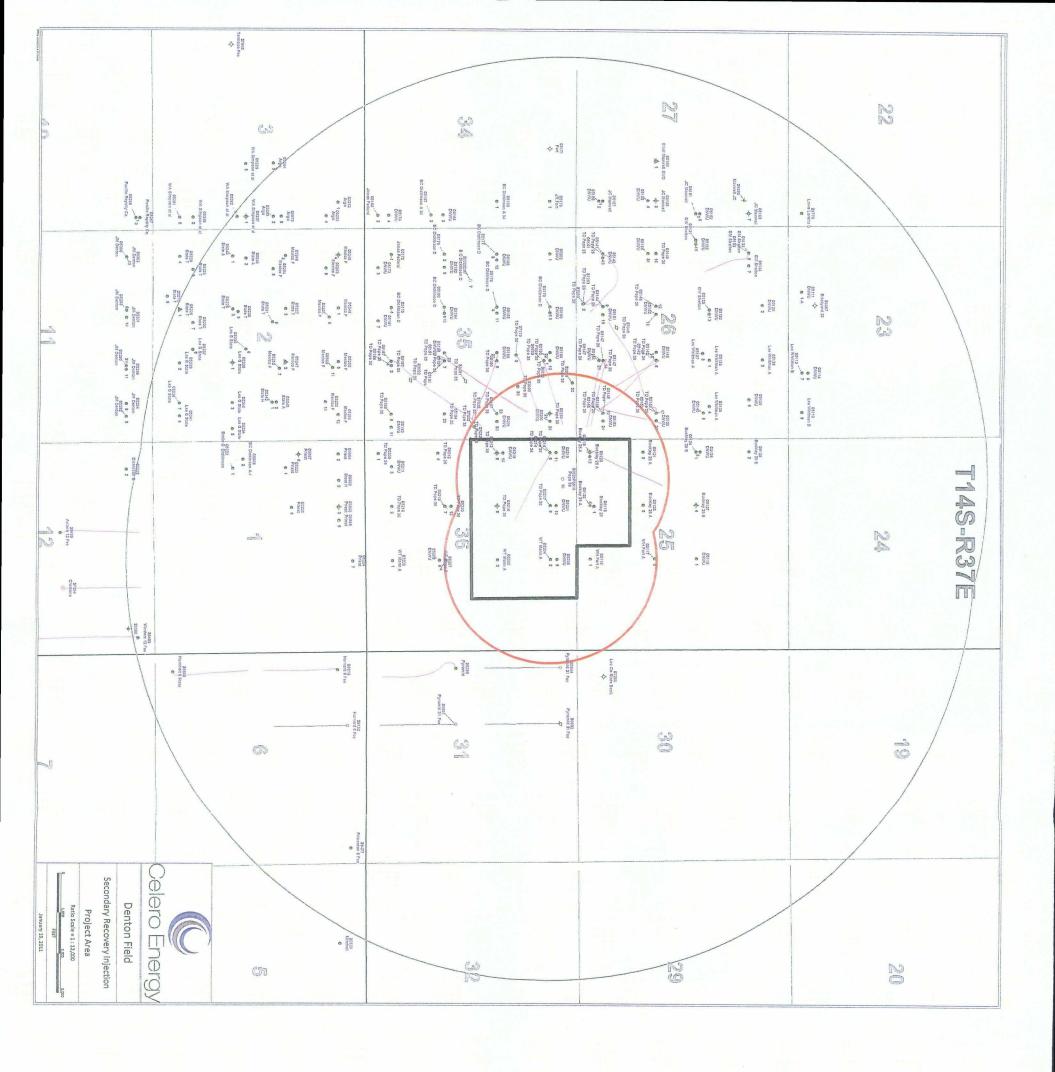
T. D. Pope "36" # 10 - 350' FNL & 990' FWL of Sec. 36, T-14S, R-37E, Unit Letter "D" PROPOSED PRODUCTION WELLBORE



T. D. Pope "36" #10 - 350' FNL & 990' FWL of Sec. 36, T-14S, R-37E, Unit Letter "D" PROPOSED WATER INJECTION WELLBORE



Anderson.elaIMI	Taylor Kasolving Cottle Co. 1/2 D.K. M. Kinselving Inselving S. Kanselving (S.)	Taylor Kinsolving Cattle Co./z D.K.:	VF Pet. 10 00 51-2015 113972 U.S. MI	Loure Ld. Co., et al ML. C	Meralo 73 M.I. J.L.	Bredu Lave (101841) (MA 3-39 Paul Richards (etel, MI (D!A	Total be
Store Betty Duncan, et al : 1'K	Linealving Kinsalving (5)	Kinsalving State Brigham J.M. 1-6-2008	Votes Pet, et 2:120ro Votes Ltd. Prinsipo 2:MI		Harstoffe Har(S)	Brigham O	E.G	(3)
	9-1-2007	Yates Pet, et al	Pomerov Form. 1	James:McCrory Bahlburg Expl. tral. T.R.C.R.T. J. Sullivan Co. Daniel Partinie	M.I. T.R.E, R.T.	Brigham OF,G (mcmo of opt.)		M. Cre
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	Comment	- decision	Schematic Attached		Wolfcamp OBO	Vertical	Vertical		Wolfcamp OBO	cal Wolfcamp OBO	1000		cal P&A - Vertical - Schematic Attached	Dual Lateral - Schematic Attached			P&A Wolfcamp OBO	Triple Lateral -	Schematic Attached		Single Lateral - Schematic Attached	000	ical P&A Wolfcamp OBO	Single Lateral -	Schematic Attached	Dual Lateral -	3		Single Lateral -		Dual Lateral - Schematic Attached			Shut-in Vertical	tical	132	Schematic Attached	rtical P&A Wolfcamp OBO	rical Wolfcamp OBO		rtical Wolfcamp OBO (Injector)	Dual Lateral -		Single Lateral -		
	ft-ft overall) Wolfcamp		1	1	9,212' - 9,360' O. H. Vertical (OBO)		I	9.273' - 9,430' Perf Vertiv	(080)	9,270' - 9,466' Perf Vertical (OBO)	0 225' - 0 360' Derf Vertit	(P&A 11-76)	9,352' - 9,500' Perf Vertical (P&A 11-76)	-	****	-	9,225' - 9,388' Perf Vertical (P&A 12-82)						9,258' - 9,415' Perf Vertical (P&A 12-05) (OBO)	3000		1	1	***		1	-	***		0):	9,214' - 9,242' Perf Vertical	(OBO)		9,179' - 9,326' Perf Vertical (P&A 06-09) (OBO)			BP 9,184' - 9,246' Perf Vertical (OBO)				11	
	Perforated/ Open Hole Intervals (ft-ft overall) Devonian M	The state of the s	12,188' - 12,595' Perf and O. H. Vertical (Sqz'd W/ 1150 sx cmt 03-05)	12,290' - 14,451' O. H. lateral to NE 03-05 (2,161')		12,237' - 12,706' Perf and O. H. Vertical	12,291' - 12,687' O. H. Vertical			12,321' - 12,600' O. H. Vertical (Plugged back w/	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	12,444' - 12,508' Perf Vertical (P&A 11-76)	12,554' - 12,604' Perf Vertical (P&A 11-76)	12,051' - 12,607' Perf Vertical (Sqz'd w/ 350 sx cmt	12,526' - 14,347' O. H. lateral to NE 05-05 (1821') (Saz'd w/ 1175 sx cmt (04-05)	12,526' - 14,390' O. H. lateral to NW 05-05 (1864')		12,112' - 12,544' Perf Verlical (Sqz'd w/ 1350 sx cm	11-04) 12,536' - 14,323' O. H. lateral to SE 05-05 (1787')	12,381' - 14,190' O. H. lateral to SE 05-05 (1809') 12,190' - 13,994' O. H. lateral to SE 05-05 (1804')	12,161' - 12,600' Perf Vertical (Sqz'd w/ 600 sx cmt	12,524' - 15,001' O. H. lateral to SW 02-05 (2477)		12.096' - 12.613' Perf Vertical (Sqz'd w/ 930 sx cmt	02-05) 12.312' - 13.793' O. H. Jateral to SE 06-05 (1481')	12,036' - 12,060' Perf Vertical (Sqz'd w/ 95 sx cmt 03	12,550' - 14,346' O. H. Lateral to NE 03-05 (1796')	12,384' - 14,380' O. H. Lateral to SE 05-05 (1996)	12,360' - 12,460' Perf Vertical 10-05	12.513' - 13.951' O. H. Lateral to NE (1438')	Well drilled and completed as a lateral well	12,308' - 14,218' O. H. lateral to the West 06-05 (1910') (Sqz'd 06-05)	12,558" - 14,467" O. H. lateral to the west ub-us (1909)	12,060' - 12,585' Perf Vertical (Plugged back 10-85) P&A'd well in 01-99; left fish in wellbore during reentry in 04-05.			12,064' - 12,556' Perf Vertical (P&A 10-92)	***	11,965' - 12,453' Perf Vertical (Plugged back w/ CIBP	1000	12,022' - 12,678' Perf Vertical (Plugged back w/ CIBP @ 9,962' 04-00)	12,287' - 12,628' Perf Vertical (Sqz'd w/ 1150 sx cmt	12.379' - 14.998' O. H. lateral to NE 04-05 (2619') 12.384' - 15.005' O. H. lateral to NE 05-05 (2621')	12,334' - 12,597' Perf & O. H. Vertical (Sqz'd w/ 1180	12,514" - 15,465" O. H. lateral to NE 06-05 (2951"); Plunned hack lateral to 13,503" w/ 175 sx cmt 03-07	Plinded back lateral to as well with which
	Well Last		Active	na ruig	Active		Active		Active	Active 04/61	-	P&A 02/62	P&A 06/60	Active	+ ,1.%m+		P&A ?	avijao			Active		P&A		Active	Active			Shut-in 08/10		Active			Shut-in 02/74			P&A 08/74	P&A 01/09	Active 12/99	- 8	Active 02/98			- and Da		
	Vertical W		12,595 Ac		9,360 Ac	12,706 Ac			9,460 Ac	12,600 Ac		12,669 P	12,741 P	12,637 Ac			9,390 P	12835			12,640 Ac		9,446 P	-	12,630 Ac	12,804 Ac			12,908 Sh		12,830 At			12,635 SI		000	12,630	9,370	12.550 A	-	13,160 A	12,630	S ASS AGE	12,702	I Sandai	
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	Prodn Csg .		5.5/15.5, 17		interval.	5.5/17, 20	5.5/17, 20		n interval.	5.5/17, 20		5.5/17, 20	5.5/15.5, 17	5.5/17, 20			ion interval.	E E 147 20	0.0111, 20		5.5/17, 20		tion interval.		5.5/17, 20	7/23,26			7/26		7/26			5.5/17		on Interval.	5.5/17, 20	tion interval.	5,8/17	1100	5.5/17, 20	5.5/17, 20		5.5/17, 20		
	Prodn	Size	7.875		nian Injection	7.875	7.875		penetrate Devonian injection interval	7.875		7.875	7.875	7.875			Devonian injection interval	27.0 7.07.0	_		ted 7.875		not penetrate Devonian injection interva		7.875	ted 8.75			ted 8.75		ted 8.75			ated 7.875			ated 7.875	not penetrate Devonian injection Interva	7 875	300	ated 7.875	ated 7.875	-	ated 7.875	-	
	of Method		rf Circulated		not penetrate Devonian	rf Circulated	rf Circulated		netrate Devo	rf Circulated	10000	35 Calculated	48 Calculated	rf Circulated	-		Did not penetrate Dev	200	oli culated		irf Circulated		penetrate De	T	Survey	Surf Circulated			Surf Circulated		Surf Circulated			Surf Calculated		enetrate Devo	Surf Calculated	penetrate De	Calculated	700	Surf Circulated	Surf Circulated		Surf Circulated	-	
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		Depth o			Depth: 9,360'.	4772	4749		well. Total Depth: 9,460'.	4730		4750	4723	4840			Il Depth: 9,390'.		10004		4824		Total Depth: 9,446'.		4828	4700			4870		4580			4821		well, Total Depth; 9,350.	4850	Total Depth: 9,370'.	4820	4020	4801	0 4768		4746		
	Inter. Csg -	(in/#)	8.625/28,32		well. Total D	8.625/32	8.625/32		well. Total [8.625/32		9.625/36, 40	9.625/36, 40	8.625/32			II 10-82. Total	000000000000000000000000000000000000000	0.023/32		8.625/32		ell 12-05. Tot		9.625/36, 40	9.625/36, 40			9.625/40		9.625/40			8.625/32			8.625/32		R R75/37	0.020.0	8.625/32	9.625/35, 40		8.625/32	_	
		Size			ip injection	lated 11	11 11		Active Wolfcamp producing	led 12.25	277	ted 12.25	ted 12.25	led 11			P&A'd Wolfcamp injection well 10-82.		- Ingr		ted 11		P&A'd Wolfcamp producing well 12-05.		ted 12.25	ted 12.25			ted 12.25		ted 12.25			ited 11		prod	ated 11	P&A'd Wolfcamp injection well 06-09.	70		ated 11	ated 12.25	-	ated 12.25		
	o of Method	(ft)	Surf Circulated		Active Wolfcamp injection	Surf Circulat	Surf Circulated		ive Wolfcam	Surf Circulated	000	Surf Circulated	Surf Circulated	Surf Circulated	_		d Wolfcamp	Por Contraction	_		Surf Circulated		Wolfcamp p		Surf Circulated	Surf Circulated			Surf Circulated		Surf Circulated			Surf Circulated		S	Surf Calculated	d Wolfcamp	Sunf Circulated	- 000	Surf Circulated	Surf Circulated	-	Surf Circulated	_	
	Sacks		350 Sı		Ac	350 Si	400	-	Act	375 SI	- 000	310 Si	310 SI	450 SI	-		P&A'c	0	+	000	\$ 009		P&A'd		550	375 S			S 000		425 S			550 S		1000	S 000	P&A'	400	- 8	475 S	550	+	425 S	-	
	Casing	Depth (ft)	373			342	338	- 888		340	***	355	350	452				46.7			452				470	425			402		415			425			467		363		396	437	-	411	_	
	Surface Csg - Size/	Wt.	13.375/48			13.375/48	13.375/48			13.375/48		13.375/36	13.375/36	13.375/68				42 275/40	10.07.0740		13.375/48				13.375/36, 48	13.375/48			13.375/48		13.375/48			13.375/48			13.375/48		13 375/54 5	13.373/34.	13.375/48	13.375/48		13.376/48		
		yr) Size			33	17.5	17.5	-	99	17.25	- 0000	17.5	55 17.5	53 17.5			52	17.	_		53 17.5		8	000	53 17.5	17.5			17.5		17.5			53 17.5			53 17.5	83	17 8	-	17.5	53 17.5	+	51 17.5	-	
		Type (mo/yr)	Prod 10/53		Injector 12/53	Prod 03/54	Prod 04/54		Prod 09/56	Prod 10/54	200	Prod 11/54	Prod 03/55	Prod 04/53			Injector 08/53	Day O	+		Prod 07/53		Prod 11/53		Prod 01/53	Prod 12/04			Prod 04/05		Prod 04/05			Prod 08/53		-	Prod 08/53	Injector 10/53	Prod 04/05	-	Prod 01/96	Prod 01/53	-	Prod 05/51	-	
		Kange V	R37E P	R37E	R37E Inj	R37E P	R37E P		R37E P	R37E P	-	R37E P	R37E P	R37E P		R37E	R37E Inj	0 375	_	R37E R37E	R37E P	R37E	R37E P	****	R37E P	R37E P	R37E	R37E	R37E P	R37E	R37E P	R37E	R37E	R37E P			R37E P	R37E Inj	R37F P		R37E P	R37E P	+		-	
		sc. ship	25 T14S	.5 T14S	.5 T14S	5 T14S	25 T14S	1000	5 T14S	.5 T14S	- 0000	5 T14S	.5 T14S	T14S	-	.6 T14S	.6 T14S		-	6 T14S	6 T14S	.6 T14S	6 T14S		6 T14S	5 T14S	5 T14S	5 T14S	5 T14S		5 T14S	5 T14S	5 T14S	5 T14S			5 T14S	5 T14S	5 T14S		5 T14S	5 T14S	+		-	_
	Location 40-	Loc.	M 25	/L L 25	M 25	- L 25	z		N 25	/ K		0 25	L J 25	P 26	-	L J 26	P 26	C	0	P 26	1 28	N 26	- 28		L J 26	B 35	A 35		O	A 35	Н 35	L G 35	L G 35	A 35		<	Н	Н 35	8		L G 35	L J 35	AA	0	I	
	Footage	oolage	330' FSL & 330' FWL	2221' FSL & 1219' FWL	330' FSL & 430' FWL	1650' FSL & 330' FWL	330' FSL & 1650' FWL		430' FSL & 1670' FWL	1650' FSL & 1650' FWL		330' FSL & 2330' FEL	1930' FSL & 2310' FEL	660' FSL & 660' FEL	2310' FSL & 338' FEL	1988' FSL & 2507' FEL	660' FSL & 460' FEL	8 10 E 2	& 331' FEL	333' FSL & 332' FEL 353' FSL & 331' FEL	1980' FSL & 660' FEL	808' FSL & 2934' FEL	1980' FSL & 460' FEL		1980' FSL & 1980' FEL 833' FSL & 1251' FEL	810' FNL & 1980' FEL	& 349' FEL	Cannot locate directional survey for	1505' FNL & 2120' FEL	968' FNL & 777' FEL	2550' FNL & 330' FEL	1959' FNL & 2128' FEL	1952' FNL & 2125' FEL	660' FNL & 660' FEL	11.00	. & 400 FEL	IL & 660' FEL	1980' FNL & 460' FEL	103' FNL & 1431' FEL		1458' FNL & 1347' FEL	1980' FSL & 1980' FEL	1212' FNL & 689' FEL 1215' FNL & 682' FEL	660' FSL & 1980' FEL	2902' FSL & 346' FEL	
						1000			000 430' FSL	00 1650' FS.								0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	353' FSL	1 8	200		2000	1000		2000		18		968' FNL					1	000	00 1980' FN					23.22		11111		
1	API Nimber		30025051180000	Lateral BHL:	30025051200000	30025051210000	30025051220000		30025051150000	30025051230000		30025051160000	30025051170000	30025051450000	Lateral BHL:	Lateral BHL:	30025051530000	30025054470000	Lateral BHL:	Lateral BHL: Lateral BHL:	30025051500000	Lateral BHL:	30025051550000		30025051420000 Lateral BHL:	****	Lateral BHL:	Lateral BHL:	30025371750000	Lateral BHL:	30025370320000	Lateral BHL:	Lateral BHL:	30025051950000		SUCCOUSTURED BOOT TINE & 460' TEL	30025051970000 1980' FNL & 660' FEL	30025052010000	2 30025329180000	2000	3 30025330900000	30025051910000	Lateral BHL: Lateral BHL:	30025051870000	Lateral BHL:	
OT PROJEC	Original Well	Name & No.	Buckley A #1		Buckley A # 2	Buckley #3-A	Buckley A #4		Buckley # 1	Buckley A #5		WH Fort "A" #1	WH Fort "A" #2	TD Pope #10			TD Pope #24	TD 0000 CT	_	0.4.1 CO	TD Pope #17		TD Pope #28	1	TD Pope #6	TD Pope "35" #1			TD Pope "35" #3		TD Pope "35" #2			TD Pope #21		ez# ⊕ado⊾ ∩ :	TD Pope #23	TD Pope #30	TD Pope "35" #32	8	TD Pope "35" #33	TD Pope #7		TD Pope #4		
ERFLOOD PIL	Operator	Operator	Celero Energy II, LP		Stephens & Johnson	Celero Energy II, LP	Celero Energy II, LP		Harvard Petroleum Co	Stephens & Johnson		Mobil Oil Corp	Mobil Oil Corp	Celero Energy II, LP			Mobil Oil Corp	Olero Horard		100 mm m	Celero Energy II, LP		Stephens & Johnson		Celero Energy II, LP	Celero Energy II, LP			Celero Energy II, LP		Celero Energy II, LP			Celero Energy II, LP			Stephens & Johnson	Stephens & Johnson	Stephens & Johnson		Stephens & Johnson	Celero Energy II, LP		Celero Energy II, LP		
ANWAII	Well	No.	-		2	8	4	1000	1 Har	'n		-	2	10 00			24	41	+		17 Ce		28		စ	- 0			8		2 Ce			21 06			23 Ste	30 Ste	32 Ste		33 Ste	7 Ce		4 Ce		
VENTON DEVONIAN WATERFLOOD PILOT PROJECT	Unit/Lease	9000	Buckley "25" A		Denton North Wolfcamp Unit Tract 12	Buckley "25" A	Buckley "25" A		Buckley	Denton North Wolfcamp Unit Tract 12	Omer North World	Unit Tract 10	Denton North Wolfcamp Unit Tract 10	TD Pope "26"			Denton North Wolfcamp Unit Tract 6	TD Done "26"	1		TD Pope "26"		Denton North Wolfcamp		TD Pope "26"	TD Pope "35"			TD Pope "35"		TD Pope "35"			TD Pope "35"	Denton North Wolfcamp	Unit Tract 6	TD Pope "35"	Denton North Wolfcamp Unit Tract 6	TD Pope "35"		TD Pope "35"	TD Pope "35"		TD Pope "35"		

		Comment	P&A Wolfcamp OBO		Vertical & Single Lateral - Schematic Attached			P&A Wolfcamp OBO		Vertical	Vertical		Wolfcamp OBO		Wolfcamp OBO	P&A - Vertical - Schematic Attached	TA - Vertical	100 mm (100 mm	Wolfcamp OBO	
	it overall)	Wolfcamp	9,194' - 9,346' Perf Vertical (P&A 09-82) (OBO)		9,192' - 9,363' Perf Vertical 04/97 (Sqz'd 06-05)			9,206' - 9,373' Perf Vertical (P&A 11-05) (OBO)		9,212' - 9,450' Perf Vertical 05/82 (Sqz'd 10-06)			9,230' - 9,389' Perf Vertical (OBO)		9,310' - 9,460' Perf Vertical (OBO)	9,284' - 9,436' Perf Vertical 01-66 (P&A 10-82)	-		9,286' - 9,436' Perf Vertical (OBO)	
	Perforated/ Open Hole Intervals (ft-ft overall)	Devonian	****		12,104' - 12,843' Perf and O. H. Vertical (Sqz/d 06-95 9,192' - 9,363' Perf Vertical and reperf portions 03-07)	12.474' - 14.438' O. H. lateral to SE 06-05 (1964')				12,219' - 12,745' Peri and O. H. Vertical	12,259' - 12,620' Perf Vertical				1	12,410' - 12,638' Perf Vertical (Plugged back 01-68) 9,284' - 9,436' Perf Vertical (P&A 10-82)	12,440' - 12,624' Perf Vertical (TA w/ CIBP @ 12,340' 01-98)		-	
					12,104' -	12.474										 				
		ll Prodn (mo/yr)	۷ ۷		av	· · ·		A 02/97		F-in 08/09	i-in 09/09				- A	A 07/65	 A 08/76			
	_	ertical Well Status (ft)	9,370 P&A		12,643 Adive			9,400 P&A		12,745 Shut-in	 644 Shut-in		9,400 Active		9,500 Active	 12,642 P&A	 12,630 TA	0.000 0.000	9,500 Active	
		Cased or Vertical Open Well TD Hole (ft)	Cased 9,3		Both 12,			Cased 9,4		Both 12,	Cased 12,644		Cased 9,4		Cased 9,5	 Cased 12,	 Cased 12,		Cased 9,5	
		Method Op	Ca		Temp Bc Survey			Ö		Temp Bo Survey	 CBL Car		Ca		Ö	Temp Ca.	 Temp Ca Survey		Ca	
		Top of Cmt Met			8920 Tel					8640 Tel	6750 CE					 8060 Te	9860 Te			
- 81		Sacks C of Cmt (8600 88					700	750 67					800	009			
		Casing Setting S Depth o			12442				7.7.7	12641	 12643	1000 1000 1000 1000 1000 1000 1000 100				12641	 12630			200000 2000000
		Csg · Wt.	interval.		7/ 23-35			interval.		7/ 23-32	 7/ 23-32		terval.		iterval.	 7/29	 6, 29, 32		iterval.	
		Prodn Prodn Hole Size/	P&A'd Wolfcamp injection well 09-82. Total Depth: 9,370'. Did not penetrate Devonian injection interval		8.75 7.			P&A'd Wolfcamp producing well 11-05. Total Depth: 9,400'. Did not penetrate Devonian injection interval		8.75 7.	 8.75 7.		Active Wolfcamp producing well. Total Depth: 9,400'. Did not penetrate Devonian injection inter		Did not penetrate Devonian injection inte	8.75	 8.75 7/26,	14444	Active Wolfcamp producing well. Total Depth: 9,500'. Did not penetrate Devonian injection interval	
		Method	e Devoniar		Temp			te Devonia		Calculated	Calculated		Devonian i		Devonian i	Temp	Temp		Devonian i	
		Top of Cmt M	ot penetrat		T 1510 S			ot penetra		Surf Cal	 Surf Ca		penetrate		penetrate	1030	 960		penetrate	
		Sacks of Cmt	70'. Did no		2063			100'. Did n		2480	 2814		. Did not			 2500	 2400		'. Did not	
		Setting Depth	Depth: 9,37		4771			Depth: 9,4		4778	4773		epth: 9,400		epth: 9,500	4789	4789		epth: 9,500	
		Inter. Csg - Size/ Wt. (in/#)	-82. Total		9.625/36, 40			I-05. Total		9.625/36, 40	25/36, 40		I. Total De		I. Total De	9.625/36	 9.625/36, 40		I. Total De	
		Inter. Int Hole S Size (in)	on well 09.		12.25 9.6			ing well 11		12.25 9.6	12.25 9.625/36, 40		ducing wel		ducing wel	12.5	 12.25 9.6		ducing wel	
		Method	ımp injecti		Circulated			np produc		Calculated	Calculated		camp proc		camp proc	Circulated	Circulated		camp proc	
		Top of Cmt M (ft)	A'd Wolfca		Surf Cir			'd Wolfcar		Surf	Surf Ca		ctive Wolf		Active Wolfcamp producing well. Total Depth: 9,500'.	Surf	Surf		ctive Wolf	10000
		Sacks of Cmt	Pos	1000	350			P&A		350	 350		d		d	375	 375		H	7.000 P
		Casing Setting Depth			303					314	 322					 318	311			
		Surface Csg - Size/ Wt.			13.375/48					13.375/36	 13.375					13.375/36	 13.375/48			100000 1000000
	_	Surf. S Hole Cs Size			17.5		1000			17.25 1	 17.25					 17.25 1	 17.5			
		D&C (mo/yr)	04/54		09/53			04/54		01/54	 04/54		09/54	****	01/55	 08/54	 02/55		08/55	
		Current Well Type	Injector		Prod			Prod		Prod	Prod		Prod		Prod	 Prod	 Prod		Prod	
		Range	R37E	1000	R37E	R37E	****	R37E	1000	R37E	R37E		R37E		R37E	R37E	R37E		R37E	
		Sec. Town-ship	36 T14S		36 T14S	36 T14S	1000	36 T14S		36 T14S	36 T14S		36 T14S		36 T14S	36 T14S	 36 T14S		36 T14S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Location	40- acre Se Loc.	ш		0	TT CO		0		u.	 0		υ υ		m	 o o	 7		ص ص	
		eg	330' FWL		30' FWL	2018' FWL		30' FWL		30025052160000 1980' FNL @ 1650' FWI	 650' FWL		650' FWL		310' FEL	 2310' FEL	 2310' FEL		2310' FEL	
		Footage	30' FNL &		0' FNL & 3:	1509' FNL & 2018' FWL		510' FNL & 330' FWL		180' FNL @	 10' FNL & 1		O' FNL & 1		495' FNL & 2310' FEL	1980' FNL & 2310' FEL	1980' FSL & 2310' FEL		330' FSL &	
		nber	30025052180000 1830' FNL & 330' FWL		30025052140000 660' FNL & 330' FWL			190000 51		160000 19	 30025052170000 660' FNL & 1650' FWL		30025052210000 S10' FNL & 1650' FWL						30025052080000 1830' FSL & 2310' FEL	
		API Number	300250521	**************************************	300250521	Lateral BHL:		30025052190000		300250521	 300250521		300250522		30025052060000	30025052050000	 30025052070000		300250520	
PROJECT		Original Well Name & No.	TD Pope #10		Pope #6			Pope #11		TD Pope #8	Pope #9		Pope #13		Stephens & Johnson WT Mann "A" #5	WT Mann "A" #3	WT Mann "B" #4		Stephens & Johnson WT Mann "B" #6	
ction VI					II, LP TD		1000	hnson TD			 II, LP TD		hnson TD		hnson W.	II, LP W.			hnson W.	00000 00000 00000 00000 00000 00000 0000
TA (Sec		Operator	Mobil Oil Corp		Celero Energy II, LP TD Pope #6			Stephens & Johnson TD Pope #11	2000 2000 2000 2000 2000 2000 2000 200	Celero Energy II, LP	Celero Energy II, LP TD Pope #9		Stephens & Johnson TD Pope #13		phens & Jo	Celero Energy II, LP	Celero Energy II, LP		phens & Jo	
LP /ELL DA WATER		Well No.	10 N		6 Cele	-	1000	11 Step		8 Cele	9 Cele		13 Step		5 Step	3 Cele	4 Cele		6 Step	2000 2000 2000 2000 2000 2000 2000 200
ERGY II VIEW M.	_		_		10		1000			16	3				Ifcamp	ffcamp	 311		Ifcamp	
ELERO ENERGY II, LP REA OF REVIEW WELL DATA (Section VI) ENTON DEVONIAN WATERFLOOD PILOT PROJECT		Unit/ Lease	Denton North Wolfcamp Unit Tract 7		TD Pope "36"			Denton North Wolfcamp Unit Tract 7		TD Pope "36"	TD Pope "36"		Denton North Wolfcamp Unit Tract 7		Denton North Wolfcamp Unit Tract 8	Denton North Wolfcamp Unit Tract 8	WT Mann "B"		Denton North Wolfcamp Unit Tract 9	

CELERO ENERGY DATE: Oct. 20, 2008 FIELD: Denton BY: **JEA** Buckley "25" A LEASE/UNIT: WELL: 1 **COUNTY:** STATE: New Mexico Lea Location: 330' FSL & 330' FWL, Sec 25(M), T14S, R37ECM DF = 3.821'GL = 3.805'SPUD: 10/53 COMP: 11/53 **CURRENT STATUS: Producer** API = 30-025-05118Original Well Name: Buckley "A" #1 (Shell Oil Co.) 15 . 13 3/8" 48# @ 373' cmt'd. w/ 350 sx (circ 35 sx to surface) 11" 8-5/8" 28# - 32# @ 4746" cmt'd. w/ 2500 sx (circ 400 sx to surface) 2-7/8" 8.7#/6.5# L-80 production tubing w/ sub pump @ 10,918' +/-7 7/8" TOC @ 7,450' (T.S.) **Strawn:** 10,746' - 10,848' (11-99) (sqz cmt'd 03-05 w/ 100 sx cmt) Arrowpac packer set @ 11,415' Top of Devonian @ 12,136': **Devonian "A":** 12,188' - 12,202', 12,208' - 12,224', 12,258' - 12,270' (02-60) 5 1/2" 15.5#,17# @ 12,281' (sqz cmt'd 03-05 w/ 1150 sx cmt) cmt'd. w/ 1300 sx Devonian "B" & "C" Open Hole: 12,281' - 12,595' (11-53) (sqz cmt'd 03-05 w/ 1150 sx cmt) Lateral Wellbore: PBTD - 14,451' TD - 14,451' Lateral - 2161' to NE 4 5/8" hole Vertical Wellbore: 2161' lateral was drilled through the Devonian PBTD - 12,595' "B" and "A" zones. KOP was at 12,290'. TD - 12,595'

DATE: 10-20-2008

FIELD: Denton

COUNTY, STATE:

Lea, New Mexico

LSE/UNIT:

Buckley "25" A

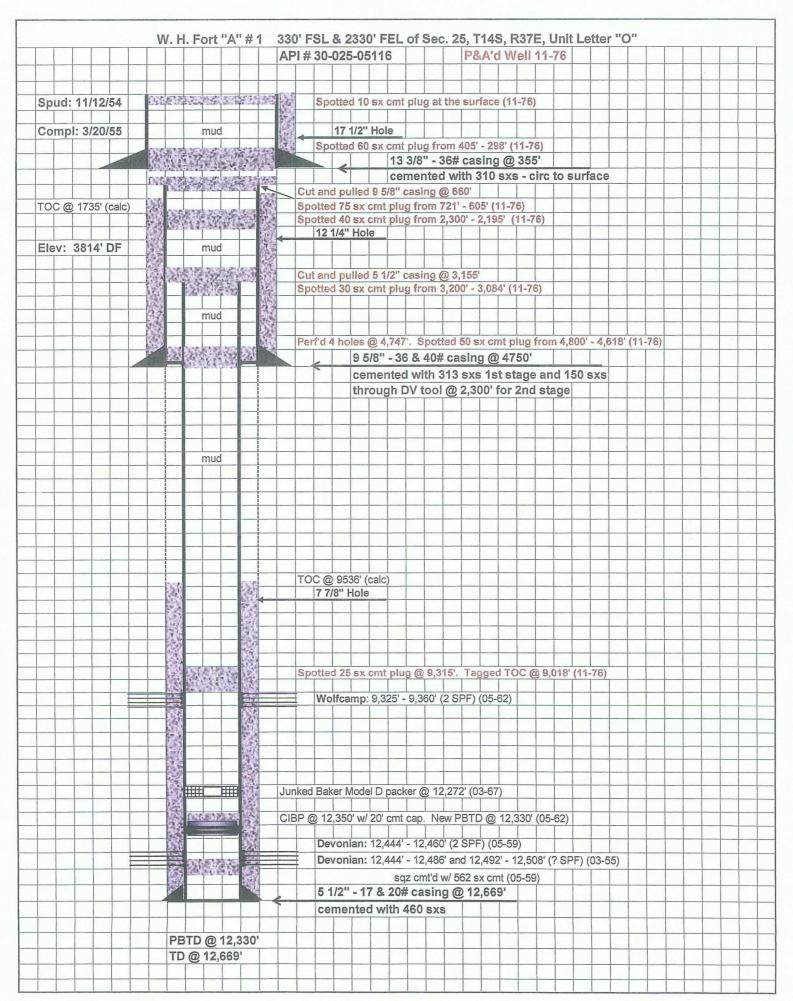
WELL NO.: 1

LOCATION: 330' FSL, 330' FWL, Sec 25, T14S, R37E

API No.: 30-025-05118

- (11-53) Initial Completion: Completed open hole in Devonian "B" and "C" intervals (12,281' 12,595'). IPF 644 BOPD thru 20/64" choke, FTP 825 psi, GOR of 910.
- (02-60) Workover: Perforated Devonian "A" intervals 12,188' 12,202', 12,208' 12,224', and 12,258' 12,270' (2 SPF). Acidized Devonian "A" (12,188' 12,270') w/ 1,000 gal 15% MCA and 3500 gal 15% acid w/ a RBP and packer. IPP 250 BOPD, 238 MCFPD, GOR of 924.
- (11-99) Recompletion: Set CIBP @ 12,100' w/ 35 sx cmt to isolate Devonian intervals. Perforated Strawn 10,746' 10,848' and acidized w/ 3,000 gal 15% HCl. Pump tested well Set CIBP @ 10,700' w/ 35 sx cmt cap. TA well.
- (03-05) Recompletion: DO CIBP @ 10,700' and CO well to 10,993'. Squeeze cemented Strawn (10,746' 10,848') w/ 100 sx Class H cement w/ additives. DO cement to 11,600'. Pressure tested squeeze to 1000 psi, held OK. DO CIBP @ 12,100', and CO and mill out well to 12,283'. Squeeze cemented perforations 12,188' 12,270' and open hole 12,281' 12,595' w/ 1150 Class H cement w/ additives. DO cmt from 11,686' 12,290'. Ran Schlumberger GR/CCL/CBL log and USI log. Initiated drilling of lateral wellbore to the Northeast. Drilled 4 5/8" lateral to 14,451' (2161' lateral). Set RBP @ 12,265'. Ran 2 7/8" workstring and packer, and set pkr @ 8940'. Pressure tested casing to 100 psi, held OK. Swabbed back 5 ½" casing, no casing leak. TOOH w/ packer and RBP. Set Arrowpac packer @ 9408'. Ran sub pump on 2 7/8" L-80 production tubing. Bottom of sub pump @ 9325'. Returned well to production (sub pump).
- (04-05) Lower Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 9408'. Ran and set Arrowpac packer @ 11,415'. Ran sub pump on 2 7/8" L-80 production tubing. Bottom of sub pump @ 11,290'. Returned well to production (sub pump).
- (10-05) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" L-80 production tubing. Bottom of sub pump @ 11,018'. Returned well to production (sub pump).

- (03-06) Workover: Acidized well down 5 ½" casing w/ 1000 gal 15% NEFE HCl @ 2.4 BPM and 100 psi STP. TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 10,782'. Returned well to production (sub pump).
- (09-06) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @?'. Returned well to production (sub pump).
- (05-08) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @?'. Returned well to production (sub pump).
- (05-08) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @?'. Returned well to production (sub pump).
- (06-08) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 10,918'. Returned well to production (sub pump).
- (07-08) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @?'. Returned well to production (sub pump).



DATE: 08-26-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: W.H. Fort "A"

WELL NO.: 1

LOCATION: 330' FSL, 2330' FEL, Sec 25, T14S, R37E

API No.: 30-025-05116

- (03-55) Initial Completion: Perforated Devonian 12,444' 12,486' and 12,492' 12,508' (? SPF). Acidized Devonian (12,444' 12,508') w/ 8,000 gal 15% regular acid. Put well on production (flowing), 279 BOPD on a 17/64" choke.
- (04-57) Workover: Acidized down casing annulus w/ 10,000 gal 15% regular acid and flush w/ 50 bbls of oil. Returned well to production (flowing), 20 BOPD, 13 MCFPD, 174 BWPD, and a GOR of 622.
- (05-59) Workover: Set cmt retainer @ 12,345' and squeeze cemented Devonian perfs 12,444' 12,508' w/ 562 sx cement w/ additives. DO cmt retainer and cement to 12,465'. Reperforated Devonian 12,444' 12,460' (2 SPF). Acidized Devonian (12,444' 12,460') w/ 2,000 gal 15% regular acid. Returned well to production (pumping), 60 BOPD, 45 MCFPD, 11 BWPD, and a GOR of 750.
- (04-60) Workover: Acidized Devonian (12,444' 12,460') w/ 4,000 gal 15% regular acid. Returned well to production (pumping), 46 BOPD, and 0 BWPD.
- (05-62) Recompletion to Wolfcamp: Set CIBP @ 12,350' w/ a 20' cmt cap. New PBTD @ 12,330'. Perforated Wolfcamp 9,325' 9,360' (2 SPF). Acidized Wolfcamp (9,325' 9,360') w/ 5,500 gal LSTNE acid. Put well on production (hydraulic pump), 44 BOPD and 18 BWPD.
- (10-66) Converted to Wolfcamp Water Injection Well:
- (03-67) Workover: POOH w/ 2 7/8" cmt lined injection tubing. DO and pushed Baker Model D packer from 9,280' 12,272'. Acid frac'd Wolfcamp (9,325' 9,360') w/ 15,000 gal 155 NE HCl retarded acid w/ additives, 30,000# 20/40 Ottawa sand, and 35 RCN ball sealers @ 12.4 BPM and 6,400 psi STP. Swabbed load back. Ran 2 7/8"cmt lined injection tubing and injection packer. Set packer @ 9,260'. Returned well to water injection.
- (11-74) TA'd Well:

• (11-76) – P&A Well:

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NO. OF COPIES RECEIVED		Form C-103
DISTRIBUTION		Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE] ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>
U.S.G.S.	W. H. Fort "A" #1	5a. Indicate Type of Lease
LAND OFFICE	7	State Fee X
OPERATOR	30-025-05116	5. State Oil & Gas Lease No.
, CI INIT	DEV NOTICES AND DEPORTS ON WELLS	
OD NOT USE THIS FORM FOR F	DRY NOTICES AND REPORTS ON WELLS PROPOSALS TO BRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERCHT RESERVOIR. ATION FOR PERMIT " (FORM E-101) FOR SUCH PROPOSALS.)	
01L GAS G		7. Unit Agreement Name
WELL WELL	other. Water Injection	
Name of Operator		8. Farm or Lease Name Denton North
Mobil Oil Corporation		Wolfcamp Unit Tract 10
Address of Operator		9. Well No.
Three Greenway Plaza	East, Suite 800, Houston, TX 77046	. 1
. Location of Well		10. Field and Pool, or Wildcat
UNIT LETTER 0	330 FEET FROM THE SOUTH LINE AND 2310 FEET FR	Denton Wolfcamp
THE East LINE SEC	TION 25 TOWNSHIP 14-S RANGE 37 NMP	
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
	3814 DF	Lea
16. Check	Appropriate Box To Indicate Nature of Notice, Report or C	Other Data
		NT REPORT OF:
NOTICE OF	THE ENTITION TO.	NI REPORT OF.
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
Ħ	COMMENCE DRILLING DANS.	E I
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOB	PLUG AND ABANDONMENT
Pott of Atten Casta	OTHER	[]
OTHER		
		<u>.</u>
	Operations (Clearly state all pertinent details, and give pertinent dates, includi	ng estimated date of starting any proposed
work) SEE RULE 1103.		
	, DENTON WLFC FLD, LEA COUNTY, NM	
11/18/76		
12,669 TD, 12,272 PB	ID, Wlfc 9325-60. MIRU DA&S DD unit, ran 4-1/4"	GR to 2038, stopped SDFN.
	•	
11/19/76	•	
	7D, $W1$ fc $9325-60$. Ran $4-1/2$ " bit to 3168 stopped	, POH ran 2-3/850E to
3170 stopped, POH SDI	fn.	
11/20/76		
	${ m FD}$, ${ m Wlfc}$ 9325-60. Ran ${ m imp}$ ${ m blk}$ to 3170, ${ m csg}$ ${ m collap}$	psed GIH w/4-1/2" swage,
/ 3-1/2" DC's jars BS	S to 3170, swage 3170-73, SDFN.	•
44455456		
11/22/76		
	ine down 5-1/2" csg on vac, swage 3173-3195, bro	ke thru ran tbg OE to
3230, pick up to 3100) SDFN.	
11/23/76		
	TD, Wlfc 9325-60. Ran tbg OE to 9285, spot 2z sx	plug to 9059 pulled 25
stds, SDFN.	See other Side	
18. I hereby certify that the informati	on above is true anti-complete to the best of my knowledge and belief.	
11111111	1 \ \ _ \ \ .	
11111	One TITLE Authorized Agent	DATE 12-13-76
SIGNED	Autre Worthortsea Went	E 12-13-70
Yes in	No. 1 Control of the	
PPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF AN	IVI CONTRACTOR OF THE CONTRACT	

(Cont'd)

11/24/76

12,669 TD, 12,272 PBTD, W1fc 9325-60. Att tag plug w/WL stopped @ 6800 ran tbg to 9400 no plug, rev out heavy mud w/200 bbls brine, spot 25 sx plug 9090-9315 pull 87 stds.

11/26/76

12,669 TD, 12,272 PBTD, W1fc 9325-60. POH w/tbg 18 jts, cmt up GIH & tag plug @ 9018, circ. hole to MLF. POH.

11/29/76

12,669 TD, 9018 PBTD. POH w/tbg, inst Hyd Jacks pulled off nipple, ran center spear FP @ 3545, ran collar buster stopped @ 3170.

11/30/76

12,669 TD, 9018 PBTD. Perf 4 holes @ 4747, ran 2q3/8 tbg open ended to 4800, spot 50 sx cmt 4800-4618, pull & LD tbg.

12/1/76

12,669 TD, 9018 PBTD. Rig up wire line, shot 5-1/2 csg @ 3155, pull & lay 77 jts 17# 5-1/2 csg down, ran 2-3/8 tbg OE to 3200, spot 30 sx Class H cmt 3200-3084, pull tbg up to 2300, spot 40 sx Class H cmt 3200-3584, pull tbg up to 2300, spot 40 sx Class H cmt 2300-2195, SDFN.

12/2/76

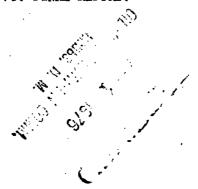
12,669 TD, 9018 PBTD. Pull the 11 jts full of cmt, cut off csg head, weld nipple on 9-5/8, rig up csg jacks estimated stuck @ 661, shot csg @ 660, could not pull, left 170,000# tent on string overnight.

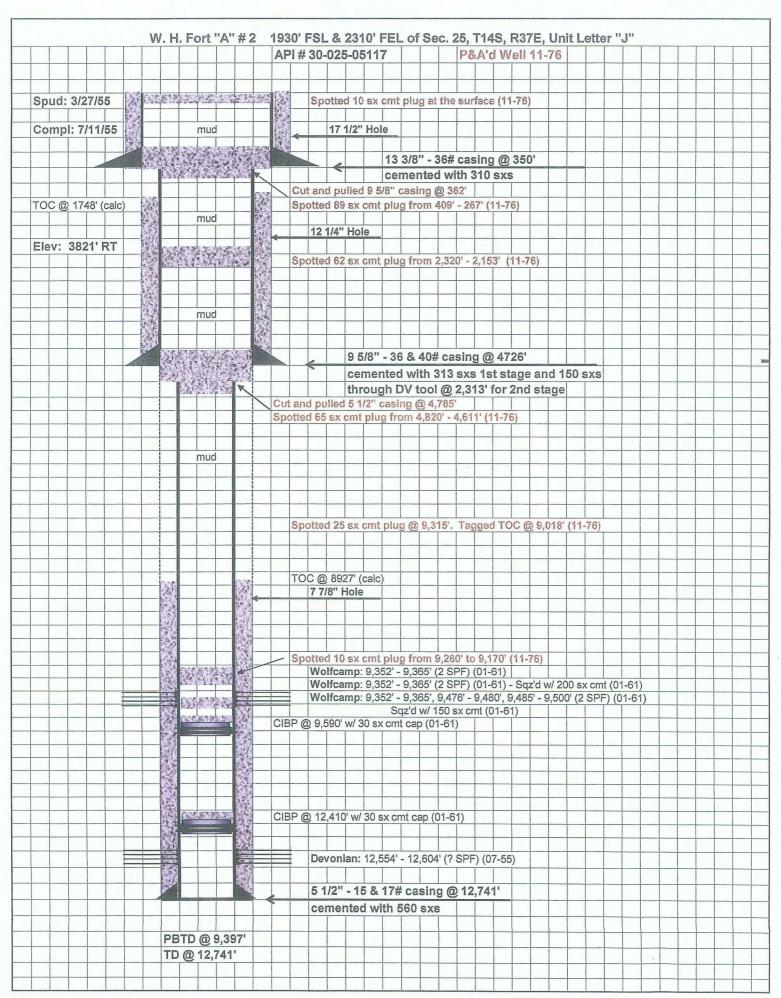
12/3/76

12,669 TD, 9018 PBTD. Work csg free, P&LD 16 jts 36# 9-5/8", ran the tbg OE to 721, spot 75 sx Class H cmt 721-605, spot 60 sx 405-298, spot 10 sx @ surf.

12/4/76

12,669 TD, 9018 PBTD. Cut well head off weld on plate release unit @ 11:00 AM, 12/3/76, P&A @ 11:00 AM, 12/3/76. FINAL REPORT.





DATE: 08-26-2009

FIELD: Denton

COUNTY, STATE:

Lea, New Mexico

LSE/UNIT:

W. H. Fort "A"

WELL NO.: 2

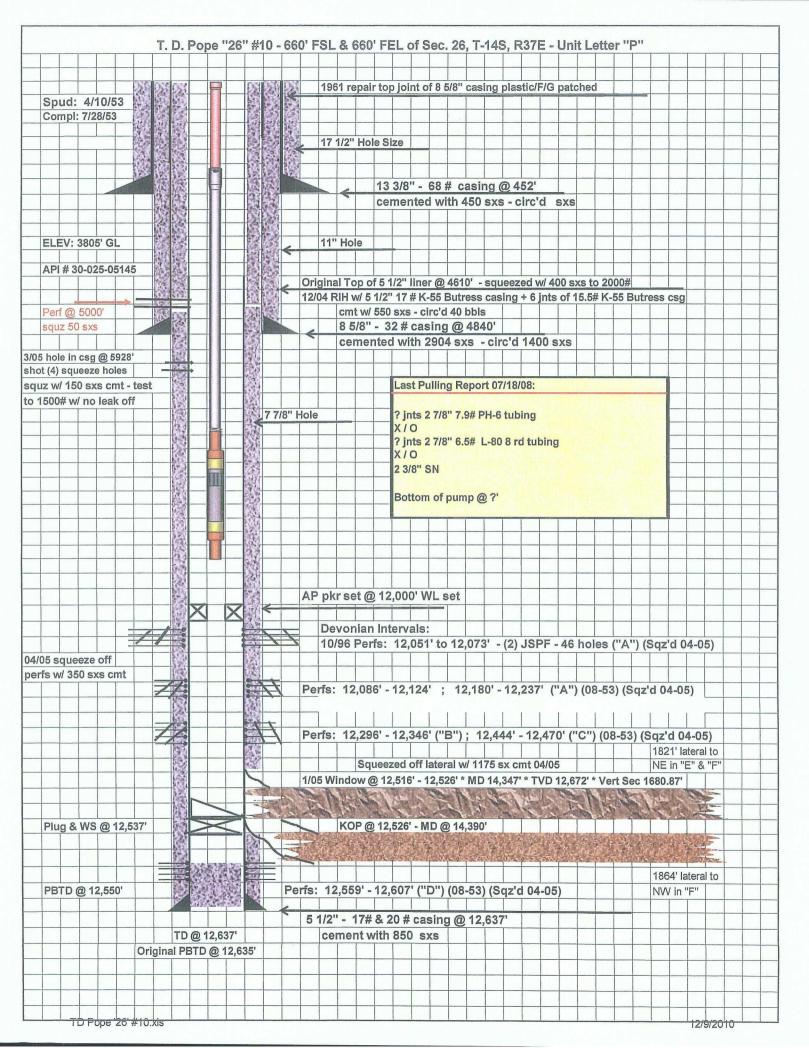
LOCATION: 1930' FSL, 2310' FEL, Sec 25, T14S, R37E

API No.: 30-025-05117

- (07-55) Initial Completion: Perforated Devonian 12,554' 12,604' (? SPF). Acidized Devonian (12,554' 12,604') w/ 5,000 gal 15% regular acid and 2,100 gal sand oil frac. Put well on production (flowing), 245 BOPD on a 22/64" choke.
- (12-56) Workover: Acidized Devonian (12,554' 12,604') w/ 10,000 gal 15% NE acid. Returned well to production (pumping), 43 BOPD, 79 MCFPD, and 100 BWPD.
- (01-61) Recompletion to Wolfcamp: Set a CIBP @ 12,410' w/ a 30 sx cmt cap and another CIBP @ 9,590' w/ a 30 sx cmt cap. Perforated Wolfcamp 9,352' 9,365', 9,476' 9,480', and 9,485' 9,500' (2 SPF). Attempted to stimulate and broke communication behind the oil string. Squeeze cemented Wolfcamp perfs (9,352' 9,500') w/ 150 sx cmt. DO cmt to 9,450', tested job and it failed. Perforated Wolfcamp 9,352' 9,365' (2 SPF). Acidized Wolfcamp (9,352' 9,365') w/ 3,000 gal acid. DO to 9,397'. Perforated Wolfcamp 9,352' 9,365' (2 SPF). Acidized Wolfcamp (9,352' 9,365') w/ 3,000 gal acid. DO to 9,397'. Squeeze cemented Wolfcamp (9,352' 9,365') w/ 200 sx cmt. DO to 9,397'. Perforated Wolfcamp 9,352' 9,365' (2 SPF). Acidized Wolfcamp (9,352' 9,365') w/ 1,500 gal acid, 5,000 gal acid, and 15,000 gal acid respectively. Returned well to production (pumping), 31 BOPD and 3 BWPD.
- (11-69) TA'd Well:
- (12-69) Converted to Wolfcamp Water Injection Well: CO well to 9,397'. Acidized Wolfcamp (9,352' 9,365') w/ 1,600 gal xylene and 400 gal 15% NE acid w/ additives @ 4.3 BPM and 1,400 2,100 psi STP. Acidized Wolfcamp (9,352' 9,365') w/ 1,500 gal 15% NEFE acid w/ additives @ 4.2 BPM and 1,500 3,650 psi STP. Ran 2 3/8" cmt lined injection tubing and Baker Lock-set packer. Set packer @ 9,311'. Put well on water injection, 15 BWPD @ 2,700 psi.
- (11-74) TA'd Well:
- (11-76) P&A Well:

NO. OF COPIES RECEIVED	7	•	Form C-103
DISTRIBUTION	- -		Supersedes Old
SANTA FE	. NEW WEXICO OIL CON	SERVATION COMMISSION	C-102 and C-103
FILE	- 1		Effective 1-1-65
	W.H. Fort "	`A" #2	5a. Indicate Type of Lease
U.S.G.S.	72 200 4	-11-7	State Fee
LAND OFFICE	30-025-03	5 II /	5. State Oil & Gas Lease No.
OPERATOR			J. Sidie Off & Gds Ledse No.
			mmmmm
SUND (CO NOT USE THIS FORM FOR P	RY NOTICES AND REPORTS ON REPORTS ON THE PROPERTY OF PLUG	I WELLS BACK TO A DIFFERENT RESERVOIR.	
USE "APPLICA	TION FOR PERMIT -" (FORM C-101) FOR SU	CH PROPOSALS.)	
OIL GAS			7. Unit Agreement Name
2. Name of Sperator	OTHER Water Injection	1	
			8. Farm or Lease Name No. Denton
Mobil Oil Corporation			Wolfcamp Unit Tract 10
3, Address of Operator			9. Well No.
Three Greenway Plaza Es	sst, Suite 800, Houston,	Texas 77046	2
			10. Field and Pool, or Wildcat
UNIT SETTER	1930 FEET FROM THE South	LINE AND Z310 FEET FROM	Denton Wolfcamp
THE East LINE, SECT	10N 25 TOWNSHIP 14-9	37-E NAMPM.	
·			
	15, Elevation (Show whether	·DF, RT, GR, etc.)	12, County
	3821 RT		Lea
16. Check	Appropriate Box To Indicate I	Nature of Notice, Report or Orl	ner Data
	NTENTION TO:		REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT X
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	AND ABANDONMENT
		OTHER	
OTHER			
17. Describe Proposed or Completed C	perations (Clearly state all pertinent det	ails, and give pertinent dates, including	estimated date of starting any proposed
	No. Wlfc #10-2, Denton		
11/19/76 12,741 TD, 925	7 PBTD. MIRU DA&S 11/8/	76, inst! BOP's, PU 158	jts 2-3/8 tbg, SDFN.
11/10/76 12,741 TD, 925	7 PBTD. GIH w/tbg to 926	0, load hole w/MLF, spot	10x plug 9260-9170, POH
	57 PBTD. LD 2-3/8, instl	hyd jacks, shot 5½ @ 478	5, worked loose, P & LD
40 jts.			
11/12/76 12,741 TD, 925	57 PBTD. P & LD 16 jts 5	s cag, SD for wind	
11/15/76 12,741 TD, 925	57 PBTD. LD 5½ csg, GIH	W/78 stds 2-3/8, SD snow	! •
11/16/76 12,741 TD, 925	57 PBTD. Spot 65x plug 4	611-4820, POH, inst1 9-5	/8 csg jacks, csg
loose to 661 by stretch			
11/17/76 12,741 TD, 925	57 PBTD. Shot 9-5/8 @ 12	200 worked & pulled into	@ 362', POH GIH $w/2-3/8$
to 2302, circ to MLF, SI)fn.		
11/18/76 12,741 TD, 925	7 PBTD. Spot 62 sx plug	2320-2153, 89sx 409-267,	10 sx in surf, weld on
plate inst P&A marker,	rel DA&S 12:00 Noon, 11/	17/76, well P&A.	
•			
FINAL REPORT			
18. I hereby certify that the information	n above in true and complete to the best of	of my knowledge and belief.	
11. 11.	.		
I NICH	\ Q. \ \	# 11. +	<i>y</i> =
SIGNED A MAN	January TITLE AND	(horized Harl	DATE 12-1-76
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CONDITIONS OF APPROVAL, IF ANY:



DATE: 03-17-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "26"

WELL NO.: 10

LOCATION: 660' FSL, 660' FEL, Sec 26, T14S, R37E

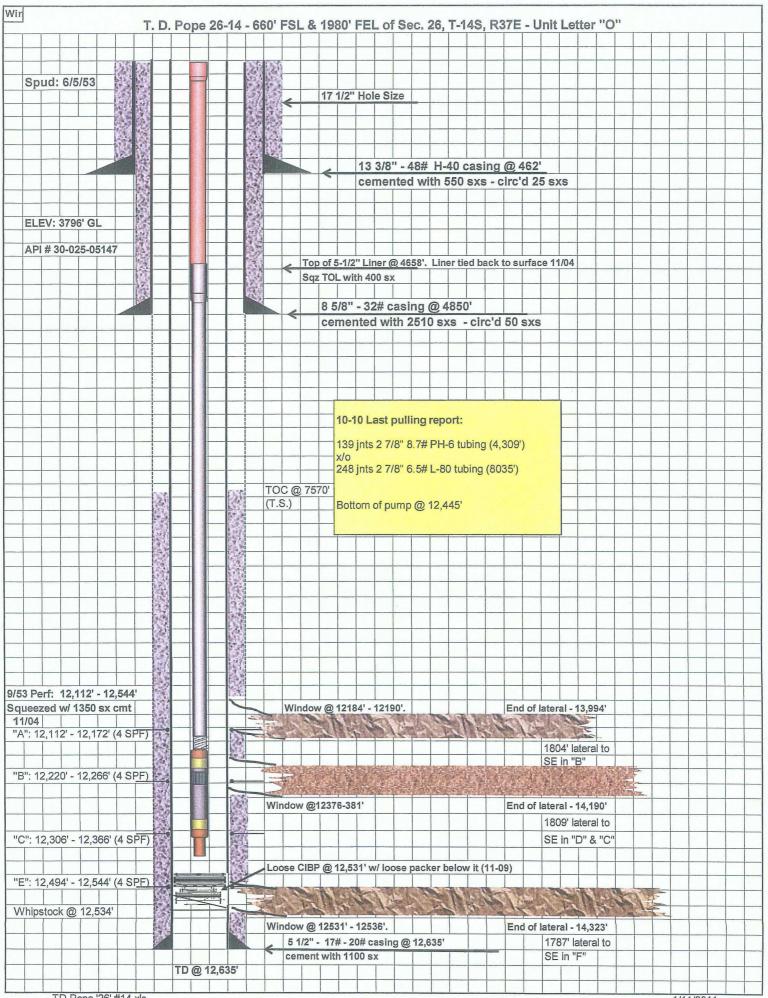
API No.: 30-025-05145

• (07-53) — Initial Completion: Perforated Devonian "D" 12,559' — 12,607', Devonian "C" 12,444' — 12,470', Devonian "B" 12,296' — 12,346', Devonian "A" 12,180' — 12,237', Devonian "A" 12,086' — 12,124'. Put well on production (flowing).

- (09-69) Workover: POOH w/ 2 3/8" production tubing, gas lift equipment, and packer. Put well on production (hydraulic).
- <u>(04-01) P&A Well:</u>
- (10-96) Workover: DO CIBP @ 12,010' and pushed to 12,247'. Swab tested individual Devonian intervals Perforated Devonian "A" 12,051' 12,073' (2 SPF). Swab tested interval. Set CIBP @ 12,000'. TA'd well.
- (05-05) Lateral Re-entry Workover: DO cmt from surface to 50', 362' 515', 960' -1125', 2604' - 2704', and 4506' to TOL @ 4608'. DO cmt from TOL @ 4608' - 4705'. Ran 128 jts 5 1/2" 17# K-55 and 6 joints 5 1/2" 15.5# K-55 casing and stung into top of 5 1/2" casing @ 4608'. Cemented 5 ½" casing in place w/ 550 sx Class C cement (circ 40 bbls cmt). DO cement 4570' - 4835' and fell out to 8540'. Pressure tested casing to 1000 psi, OK. DO cement 8540' - 9260' and fell out to 11.987'. Pressure tested casing to 1000 psi, OK. DO cement to CIBP @ 12,000' and DO CIBP. Fell out to 12,244'. Mill over junk in well from 12,244' - 12,270' and DO cement to 12,567'. Squeeze cemented Devonian perforated intervals w/ 350 sx Class H cmt w/ additives in preparation for drilling lateral in this wellbore. DO cement 11,980' - - 12,550'. Pressure tested 5 ½"casing to 500 psi, OK. Ran GR/CCL/CBL/ECL logs. Set CIBP @ 12,537'. Set whipstock @ 12,533'. Cut window and drilled lateral hole. Drilled lateral hole to NE in Devonian "E" and "F" intervals to a measured depth of 14,347'. TOOH with drill string, motors, and tools. Ran sprinkler system and acidized lateral from 12,526' - 14,347' w/ 15,000 gal 15% HCl acid and 30 bbls FW in three stages. Ran and set Arrowpac packer @ 11,300'.Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 8,862'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Unset and retrieve Arrowpak packer @ 11,300'. Set RBP @ 12,500'. Isolated casing leak between 12,251' and 12,417'. Squeeze cemented casing leak w/ 64 sx squeeze creet cement. DO cement. Tested squeeze, OK.

Unset and retrieved RBP @ 12,500'. Ran dual straddle packer assembly and set lower packer @ 12,500' and upper packer @ 11,977' w/ 2 7/8" L-80 tubing in between. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Unset and retrieved packer @ 11,977'. Set plug in packer @ 12,500'. Set RBP @ 11,851'. Isolated casing leaks between 4843' - 6015', and 5917' - 5950'. Ran Schlumberger GR/CCL/CBL/CIL logs. Shot squeeze holes from 5925' - 5930' (25 shots). Acidized squeeze holes w/ 2,000 gal 15% HCl @ 2.6 BPM and 2500 psi avg STP. Squeeze cemented squeeze holes w/ 150 sx Class H cmt w/ additives. DO cement and pressure tested casing to 1500 psi, tested OK. Unset and retrieved RBP @ 11,851'. Retrieved plug from dual packer assembly. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,579'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Unset and retrieve upper packer @ 11,995'. Ran and set cmt retainer @ 11,917'. Squeeze cemented lateral w/ 10 bbls S-1, 15 bbls zone block, 10 bbls S-1, 15 bbls zone block, and 1175 sx Class H cement w/ additives. DO cement from 11,517' - 12,526'. Cut window and drilled lateral hole. Drilled lateral hole to NW in Devonian "F" interval to a measured depth of 14,390'. TOOH with drill string, motors, and tools. Ran sprinkler system and acidized lateral from 12,526' - 14,390' w/ 15,000 gal 15% HCl acid @ 4.2 BPM @ 2965 psi avg STP. Ran and set Arrowpac packer @ 12,000'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,192'. Put well on production (sub pump).

- (01-06) R&R Sub Pump: Fished 2 7/8" production tubing and sub pump out of wellbore. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,165'. Put well on production (sub pump).
- (03-07) Workover: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,165'. Put well on production (sub pump).
- (07-08) Workover: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?". Put well on production (sub pump).



DATE: 03-18-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "26" WELL NO.: 14

LOCATION: 660' FSL, 1980' FEL, Sec 26, T14S, R37E

API No.: 30-025-05147

• (09-53) — Initial Completion: Perforated Devonian "E" 12,494' — 12,544' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal LST acid @ 8 BPM and 3,200 — 3,700 psi STP. Perforated Devonian "C" 12,306' — 12,366' (4 SPF) and acidized w/ 500 gal mud acid and 7,000 gal LST acid @ 1 BPM and 4,000 — 1,100 psi STP. Perforated Devonian "B" 12,220' — 12,266' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal LST acid @ 2.2 BPM and 1,200 — 2,800 psi STP. Perforated Devonian "A" 12,112' — 12,172' (4 SPF) and acidized w/ 500 gal mud acid and 7,000 gal LST acid @ 4 BPM and 900 — 3,000 psi STP. Flowed/swabbed load back. Put well on production (flowing).

• (07-76) – TA Well:

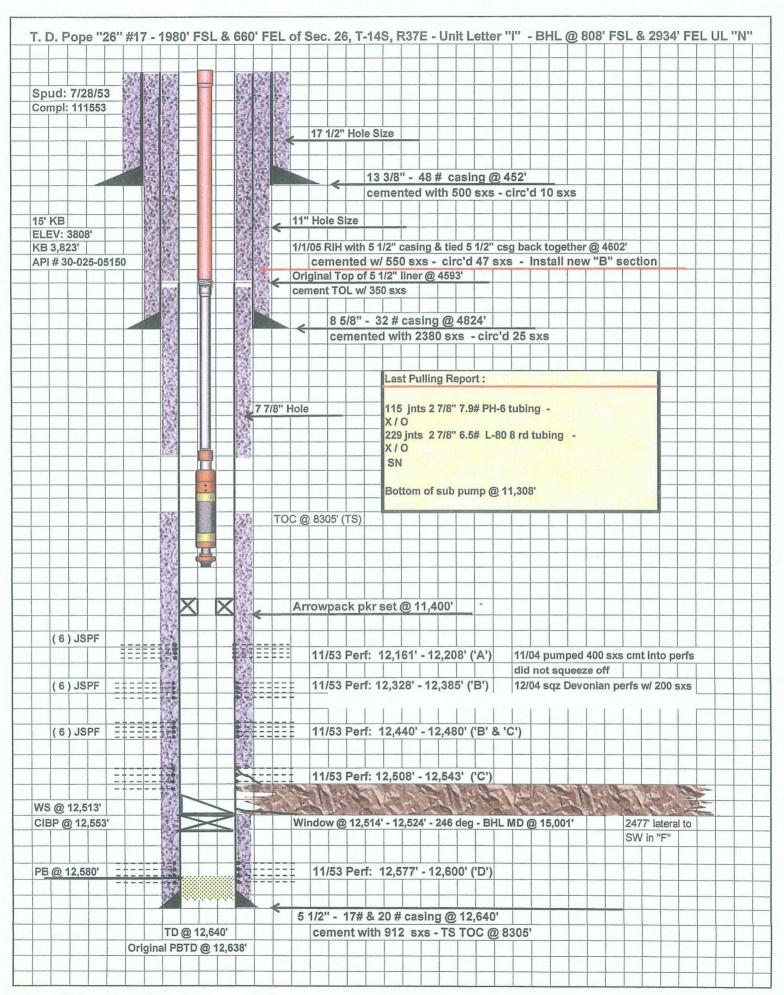
(05-05) - Triple Lateral Re-entry Workover: Tagged top of 5 ½" production liner @ 4654'. CO well to top of Baker LocSet packer @ 11,950'. Fished and retrieved Baker LocSet packer @ 11,950'. CO well to 12,549'. Dressed off top of 5 1/2" liner @ 4654'. Ran GR/CCL/CBL log from 12,572' - 11,500'. Ran and set CIBP @ 4700'. Ran 131 its 5 1/2" 17#/15.5# casing and stung into top of 5 1/2" casing @ 4654'. Cemented 5 1/2" casing in place w/ 550 sx Class C cement (circ). DO cement 4556' to CIBP @ 4700'. Pressure tested casing to 2000 psi, OK. DO CIBP @ 4700'. Squeeze cemented Devonian perforated intervals under a packer w/ 1100 sx cement in 4 attempts in preparation for drilling laterals in this wellbore. Tagged cement @ 12,221' and DO cmt to 12,330' and CO to 12,548'. Squeeze cemented Devonian perforated intervals under a cmt retainer w/ 250 sx cement. Tagged cement @ 11,800' and DO cmt and cmt retainer to 12,548'. Set whipstock @ 12,534'. Cut window and drilled lateral hole. Drilled lateral hole to SE in Devonian "F" interval to a measured depth of 14,323'. Spotted 3,000 gal 10% acetic acid. Ran and set HE-RBP @ 12,390'. Set whipstock @ 12,384'. Cut window and drilled lateral hole. Drilled lateral hole to SE in Devonian "D" and "C" intervals to a measured depth of 14,190'. Spotted 3,000 gal 10% acetic acid. Ran and set HE-RBP @ 12,180'. Set whipstock @ 12,176'. Cut window and drilled lateral hole. Drilled lateral hole to SE in Devonian "B" interval to a measured depth of 13,994'. Spotted 3,000 gal 10% acetic acid. TOOH w/ drill pipe, motors, and tools. Ran sprinkler system into the "B" lateral and acidized lateral from 13,050' - 13,994' w/ 15,000 gal 15% HCl acid and 50 bbls gelled water diverter in three stages @ 8 BPM and 5000 psi avg STP. Fished and retrieved whipstock @ 12,176' and HE RBP @ 12,180'. Retrieved whipstock @ 12,384' and HE RBP @ 12,390'. Ran sprinkler system into the "F"

lateral and acidized lateral from 13,395' – 14,323' w/ 10,000 gal 15% HCl acid and 30 bbls gelled water diverter in two stages. Ran dual packer straddle assembly and set lower Arrowpac packer @ 12,420' and the upper packer @ 12,346' to isolate the middle lateral. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Unset and retrieve Arrowpak packer @ 12,346'. Ran and set Arrowpac packer @ 9350'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 9,227'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Unset and retrieved packer @ 9,350'. Ran and set Arrowpac packer @ 11,635'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and fished sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 10,200'. Put well on production (sub pump).

- (08-05) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,505'. Put well on production (sub pump).
- (09-05) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?". Put well on production (sub pump).
- (12-05) Workover: TOOH w/ 2 7/8" production tubing and sub pump. Attempted to retrieve packer @ 11,635' but pushed down hole to 12,446'. Ran and set CIBP @ 12,420'. Ran sprinkler system into the "D" and "C" lateral and acidized lateral from 12,800' 14,065' w/? gal 15% HCl acid and? bbls gelled water diverter in? stages @ 7.5 BPM and 2,000 psi avg STP. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,702'. Put well on production (sub pump).
- (01-06) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,702'. Put well on production (sub pump).
- (01-06) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,521'. Put well on production (sub pump).
- (02-06) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?". Put well on production (sub pump).
- (04-06) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran and set packer @ 12,000'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (03-07) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (04-07) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?". Put well on production (sub pump).

- (04-07) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (10-08) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,542'. Put well on production (sub pump).
- (02-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Run BHP Survey. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,564'. Put well on production (sub pump).
- (02-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,565'. Put well on production (sub pump).
- (03-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,554'. Put well on production (sub pump).
- (04-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,560'. Put well on production (sub pump).
- (05-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (07-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,880'. Put well on production (sub pump).
- (08-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,948'. Put well on production (sub pump).
- (10-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 11,917'. Put well on production (sub pump).
- (11-09) Workover: TOOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 12,000' and TOOH with workstring and packer. Milled over CIBP @ 12,390' and pushed CIBP and loose packer below it to 12,531'. Ran 2 7/8" production tubing and packer and set packer @ 11,999'. Acidized Devonian laterals with 6,000 gal acid w/ 10% Zylene in three stages with 2,500# rock salt as diversion @ 7.85 BPM average rate and 335 psi avg STP. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 12,461'. Put well on production (sub pump).
- (12-09) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 12,445'. Put well on production (sub pump).

- (07-10) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 12,445'. Put well on production (sub pump).
- (10-10) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 8.7#/6.5# L-80 production tubing. Bottom of sub pump @ 12,445'. Put well on production (sub pump).



DATE: 03-18-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "26" WELL NO.: 17

LOCATION: 1980' FSL, 660' FEL, Sec 26, T14S, R37E API No.: 30-025-05150

- (11-53) Initial Completion: Perforated Devonian "D" 12,577' 12,600' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal XLST acid @ 4.4 BPM and 3,700 2,200 psi STP. Perforated Devonian "C" 12,508' 12,543' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal XLST acid @ 0.75 BPM and 2,500 3,100 psi STP. Perforated Devonian "B" and "C" 12,440' 12,480' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal XLST acid @ 3 BPM and 4,300 2,400 psi STP. Perforated Devonian "B" 12,328' 12,385' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal XLST acid @ 3.5 BPM and 4,200 3,400 psi STP. Perforated Devonian "A" 12,161' 12,208' (6 SPF) and acidized w/ 500 gal mud acid and 4,500 gal XLST acid @ 5 BPM and 1,000 3,400 psi STP. Flowed/swabbed load back. Put well on production (flowing).
- (02-05) Single Lateral Re-entry Workover: POOH w/ 2 3/8" production tubing. Tagged top of 5 ½" production liner @ 4593'. CO well to top of Baker Model D packer @ 12,065'. Drilled out Baker Model D packer and CO well to 12,578'. Pressure tested casing to 11,809' w/ 700 psi, tested OK. Squeeze cemented Devonian perforated intervals under a packer w/ 600 sx Class H cement w/ additives in 2 attempts in preparation for drilling lateral in this wellbore. Tagged cement @ 11,809' and DO cmt to 12,290'. Dressed off top of 5 ½" liner @ 4593', and removed and installed new B section. Ran 5 ½" casing and stung into top of 5 ½" casing @ 4593'. Cemented 5 ½" casing in place w/ 550 sx Class C cement (circ 47 sx). DO cement and tagged @ 12,285'. Logged well. DO cement to 12,580'. Set CIBP @ 12,553'. Set whipstock @ 12,513' +/-. Cut window and drilled lateral hole. Drilled lateral hole to SW in Devonian "F" interval to a measured depth of 15,001'. Spotted 4,000 gal 10% acetic acid. POOH w/ drill pipe, motors, ant tools. Acidized lateral using a coiled tubing unit from 14,922' 12,800' w/ 20,000 gal 15% HCl acid @ 4 BPM and 2,500 3,500 psi STP. Ran and set Arrowpac packer @ 11,400'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,308'. Put well on production (sub pump).

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DATE: 03-17-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: *T.D. Pope "26"*

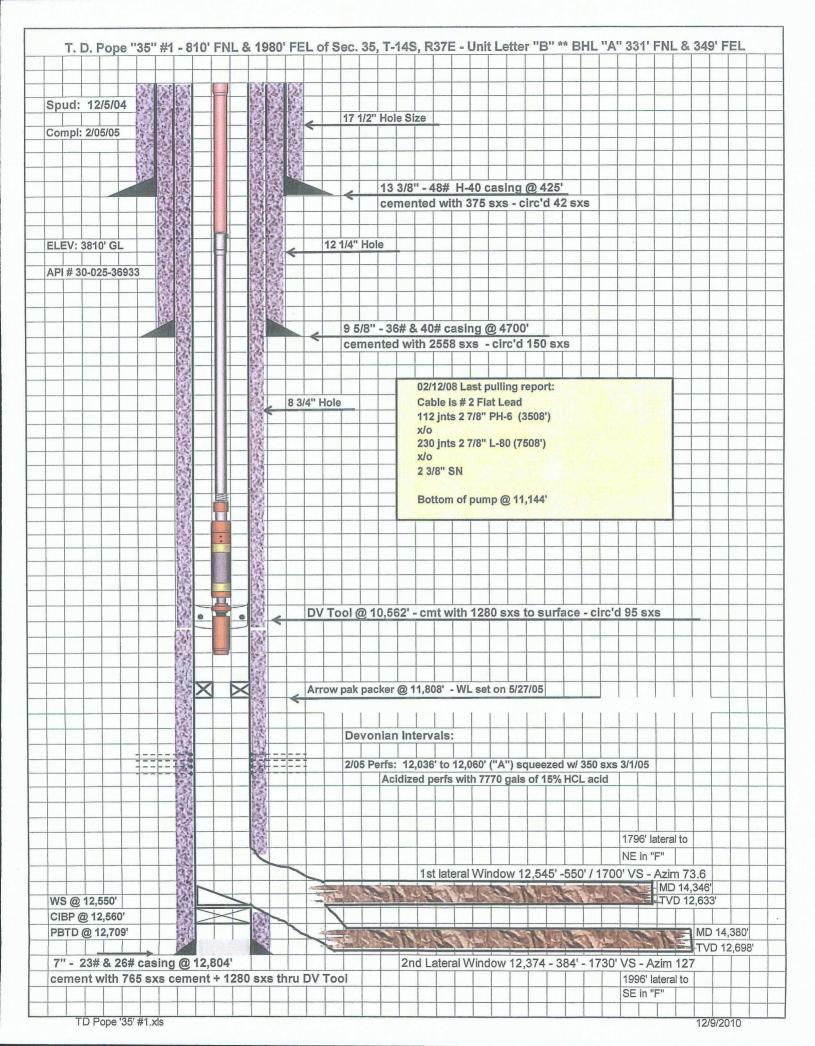
WELL NO.: 6

LOCATION: 1980' FSL, 1980' FEL, Sec 26, T14S, R37E API No.: 30-025-05142

- (05-53) Initial Completion: Perforated Devonian "D" 12,578' 12,613' (4 SPF) acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 5 BPM and 3,000 1,700 psi STP. Perforated Devonian "C" & "D" 12,499' 12,545' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 3.8 BPM and 3,500 1,400 psi STP. Perforated Devonian "B" & "C" 12,370' 12,433' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 5 BPM and 2,900 1,800 psi STP. Perforated Devonian "A" & "B" 12,235' 12,299' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 6 BPM and 3,000 2,400 psi STP. Perforated Devonian "A" 12,096' 12,158' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 4 BPM and 3,600 2,400 psi STP. Put well on production (flowing).
- (12-66) Workover: POOH w/ 2 3/8" production tubing, gas lift equipment, and packer. CO well to 12,620'. Acidized Devonian 12,096' 12,613' w/ 2,500 gal 7 ½% NEFE acid. Swabbed load back. Acidized Devonian "D" 12,578' 12,613' w/ 3,000 gal 7.5% MEC NE acid w/ 500 scf CO2/bbl@ 6 BPM. Swabbed load back. Acidized Devonian "C" & "D" 12,499' 12,545' w/ 500 gal 15% NE acid and 6,000 gal 15% MEC acid @ 6.2 -2.1 BPM and 1,000 psi STP. Swabbed load back. Acidized Devonian "B" & "C" 12,370' 12,433' w/ 3,000 gal 7.5% MEC NE acid @ 0.9 BPM and 1,800 psi STP. Swabbed load back. Acidized Devonian "A" & "B" 12,235' 12,299' w/ 3,000 gal 7 ½% MEC acid @ 6 BPM and 500 psi STP. Swabbed load back. Acidized Devonian "A" 12,096' 12,158' w/ 3,000 gal 7 ½% MEC acid @ 5.4 BPM and 600 psi STP. Swabbed load back. Ran 2 3/8" production tubing, packer, and gas lift equipment. Put well on production (gas lift).
- (09-69) Workover: POOH w/ 2 3/8" production tubing, gas lift equipment, and packer. Put well on production (hydraulic).
- (06-05) Lateral Re-entry Workover: Milled over and recovered part of fish to 12,552'. Set CIBP @ 4874'. Ran 117 jts 5 ½" casing and stung into top of 5 ½" casing @ 4656'. Cemented 5 ½" casing in place w/ 700 sx cement. DO cement and CIBP @ 4874', and CO well to 12,549'. Pressure tested 5 ½" casing to11,636' w/ 1,000 psi, tested OK. Squeeze cemented Devonian perforated intervals w/ 930 sx Class H cmt w/ additives in preparation for drilling lateral in this wellbore. Pressure tested 5 ½"casing and found leak in casing from 9,995' 10,020'. Squeeze cemented 9238' 10,020' w/ 150 sx Class H cement. DO cement

and CO well to 12,538'. Ran GR/CCL/CBL logs. Set CIBP @ 12,319'. Set whipstock @ 12,318'. Cut window and drilled lateral hole. Drilled lateral hole to SE in Devonian "B" and "C" intervals to a measured depth of 13,793'. TOOH with drill string, motors, and tools. Ran sprinkler system and acidized lateral from 12,305' - 13,793' w/ 20,000 gal 20% NEFE HCl and VDA acid. Run and set Arrowpac packer @ 11,045'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,005'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Unset and retrieve Arrowpak packer @ 11,045'. Isolated casing leak between 9,238' and 11,100'. Squeeze cemented casing leak w/ 50 sx Class H cement. DO cement. Shoot squeeze holes from 9240' - 9245' and 9368' - 9373', total 20 shots. Acidized squeeze perfs w/ 1500 gal 15% NEFE acid @ 0.9 BPM and 300 psi max STP. Squeeze cemented casing w/ 100 sx Class H cement. DO cement. Ran Schlumberger CSI and CBL logs. Perforated 9246' - 9250' w/ 20 shots. Acidized w/ 2000 gal 15% NEFE acid @ 1 BPM and 3000 psi max STP. Squeeze cemented 5 1/2" casing w/ 12 bbls S-1, 12 bbls zone lok and 100 sx Class H cement w/ 10 bbl FW spacers. DO cement. 5 1/2" casing still leaked @ 9232'. Squeeze cemented 5 1/2" casing leak w/ 6 bbls S-1, 6 bbls zone lok, and 100 sx Class H cement w/ 5 bbl FW spacers. DO cement. Squeeze cemented 5 1/2" casing leak w/ 6 bbls S-1, 6 bbls zone lok, and 100 sx Class H cement w/ 5 bbl FW spacers. DO cement. Ran dual straddle packer assembly and set lower packer @ 10,210' and upper packer @ 9160' w/ 2 7/8" L-80 tubing in between. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?'. Put well on production (sub pump). TOOH w/ 2 7/8" production tubing and sub pump. Set RBP @ 9157'. Located casing leak between 1500' and 8885'. Unset and retrieve dual packer assembly. Ran and set Arrowpac packer @ 12,210'. Fished dropped Arrowpac packer and tubing assembly. Ran triple straddle packer assembly w/ lower packer set @ 12,205', middle packer set @ 11,181', and the upper packer set @ 9126' w/ 2 7/8" L-80 tubing in between. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 9,085'. Put well on production (sub pump).

- (10-05) Workover: TOOH w/ 2 7/8" production tubing and sub pump. Attempted to release straddle packer @ 9126' but unsuccessful. TIH w/ tubing open ended and hung well off.
- (05-08) Retrun Well to Production: TOOH w/ 2 7/8" production tubing. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 8,874'. Returned well to production (sub pump).



DATE: 09-18-2008

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

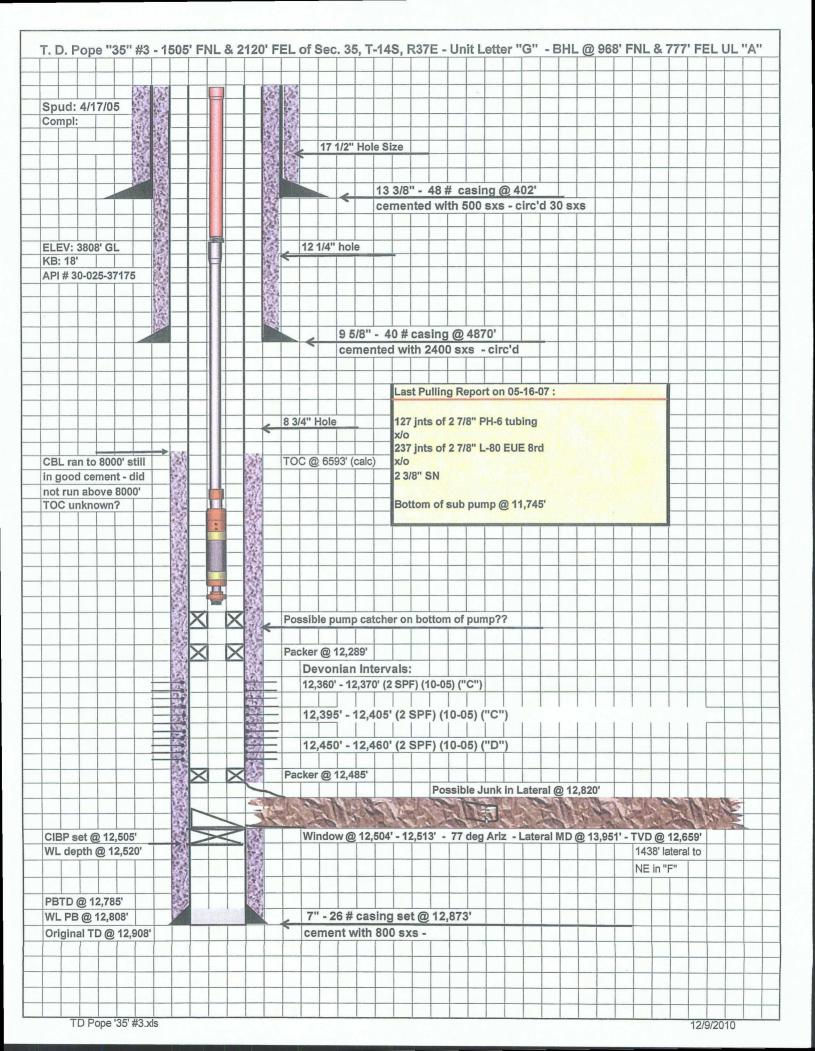
LSE/UNIT: T.D. Pope "35"

WELL NO.: 1

LOCATION: 810' FNL, 1980' FEL, Sec 35, T14S, R37E API No.: 30-025-36933

- (03-05) Initial Completion Dual Lateral Drill Well: CO/DO well to PBTD @ 12,709'. Run and set CIBP @ 12,560'. Set whipstock @ 12,550'. Cut window and drilled lateral hole. Drilled lateral hole to NE in Devonian "F" interval to a measured depth of 14,346'. Spotted 4,000 gal 10% acetic acid. Acidized lateral using a coiled tubing unit from 13,350' -12.848' w/ 5.000 gal 15% HCl acid @ 3.4 BPM and on vacuum. Ran and set RBP @ 12,082'. Perforated Devonian 12,036' - 12,050' and 12,055' - 12,060' (21' net, 4 SPF, 78 shots). Acidized Devonian (12,036' - 12,060') w/ 7,770 gal 15% HCl acid and 500# rock salt in two stages @ 4.5 - 6 BPM and 3.000 - 3.400 psi STP. Retrieved RBP @ 12.082. Ran and set packer @ 11,300'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,123'. Put well on production (sub pump). POOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 11,300'. Ran and set RBP @ 12,475'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,118'. Put well on production (sub pump). POOH w/ 2 7/8" production tubing and sub pump. Squeeze cemented Devonian (12,036' - 12,060') w/ 375 sx cement. DO cement and retrieved RBP @ 12,475'. Ran and set Arrowpac packer @ 11,400'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11.155'. Put well on production (sub pump).
- (03-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?'. Put well on production (sub pump).
- (05-05) Workover: POOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 11,400'. Ran and set RBP @ 12,405'. Set whipstock @ 12,384'. Cut window and drilled lateral hole. Drilled lateral hole to SE in Devonian "F" interval to a measured depth of 14,380'. POOH w/ drill pipe, motors, and tools. Ran sprinkler system into the "F" lateral and acidized lateral from 12,738' 14,252' w/ 15,000 gal 15% HCl acid @ 6.5 BPM and 350 3900 psi STP. Fished and retrieved whipstock @ 12,384' and RBP @ 12,405'. Ran and set Arrowpac packer @ 11,530'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,109'. Put well on production (sub pump).
- (05-05) Workover: POOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 11,530'. Pressure tested Devonian squeezed perfs (12,036' 12,060') to 1000 psi, bled off

- 95 psi in 30 min. Ran and set Arrowpac packer @ 11,808'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,255'. Put well on production (sub pump).
- (10-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,217'. Put well on production (sub pump).
- (02-07) Workover: POOH w/ 2 7/8" production tubing and sub pump. Acidized Devonian laterals with 5,000 gal NEFE acid. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?". Put well on production (sub pump).
- (09-07) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (10-07) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (12-07) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,536'. Put well on production (sub pump).
- (01-08) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,536'. Put well on production (sub pump).
- (02-08) R&R Sub Pump: TOOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,144'. Put well on production (sub pump).



DATE: 09-18-2008

FIELD:

Denton

COUNTY, STATE:

Lea, New Mexico

LSE/UNIT:

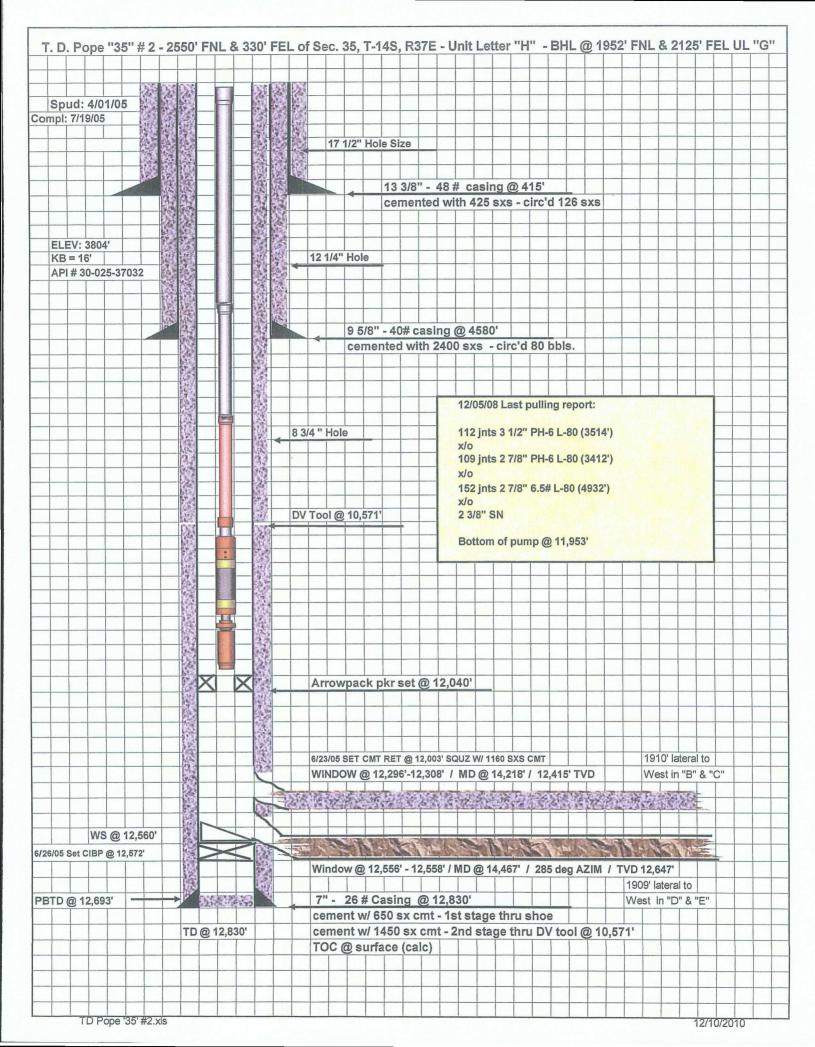
T.D. Pope "35"

WELL NO.: 3

LOCATION: 1505' FNL, 2120' FEL, Sec 35, T14S, R37E

- (08-05) Initial Completion Single Lateral Drill Well: CO/DO well to PBTD @ 12,785'. Ran Schlumberger ECS/CBL/GR/CCL logs. Run and set CIBP @ 12,520'. Set whipstock @ 12,505'. Cut window and drilled lateral hole. Drilled lateral hole to the NE in the Devonian "F" interval to a measured depth of 13,951'. POOH w/ drill pipe, motors, and tools. Ran sprinkler system and acidized lateral w/ 15,000 gal 15% NEFE acid @ 6.4 BPM and 3365 psi max STP. Ran and set Arrowpac packer @ 12,000'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,525'. Put well on production (sub pump). Attempted to fish 2 7/8" production tubing and sub pump. Left some junk in hole (2 3/8" tubing, sub pump and packer with TOF @ 12,485'. Ran and set Arrowpak packer @ 11,988'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,489'. Put well on production (sub pump).
- (09-05) Workover: POOH w/ 2 7/8" production tubing and sub pump. Retrieved Arrowset packer @ 11,988'. Tagged top of fish @ 12,478'. Milled over fish and recovered tubing and part of the sub pump. Left some junk in the hole (part of sub pump and packer) with TOF @ 12,508'. Ran and set Arrowpac packer @ 11,970'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,474'. Put well on production (sub pump).
- (11-05) Workover: POOH w/ 2 7/8" production tubing and sub pump. Retrieved Arrowpac packer @ 11,970'. Tagged TOF @ 12,508'. Milled over fish and recovered 2 3/8" tubing, and packer. RIH to 12,820'. Perforated Devonian "C" and "D" intervals 12,360' 12,370', 12,395' 12,405', 12,450' 12,460' (33' net, 2 SPF, 63 shots). Acidized Devonian "C" and "D" (12,360' 12,460') w/? gal acid @ 3.5 BPM @ 1050 psi avg STP. Isolated Devonian "C" and "D" intervals and swab tested 100% water. Unable to retrieve packers set @ 12,289' and 12,485'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,410'. Put well on production (sub pump).
- (01-06) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,492' w/ pump catcher @ 11,506'. Put well on production (sub pump).

- (02-06) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,475'. Put well on production (sub pump).
- (05-07) Workover: POOH w/ 2 7/8" production tubing and sub pump. Acidized Devonian "C", "D", and lateral w/ 8,000 gal 15% NEFE acid w/ additives and 6,000# rock salt in three stages @ 6.6 BPM and 992 2230 psi STP. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,745'. Put well on production (sub pump).



DATE: 12-12-2008

FIELD: Denton COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "35" WELL NO.: 2

LOCATION: 2550' FNL, 330' FEL, Sec 35, T14S, R37E API No.: 30-025-37032

- (06-05) Initial Completion Dual Lateral Drill Well: CO/DO well to PBTD @ 12,784'. Run and set CIBP @ 12,310'. Set whipstock @ 12,994'. Cut window and drilled lateral hole. Drilled lateral hole to the west in the Devonian "B" and "C" intervals to a measured depth of 14,218'. Spotted 4,000 gal 10% acetic acid. POOH w/ drill pipe, motors, and tools. Ran sprinkler system and acidized lateral from 12,510' - 14,218' w/ 15,000 gal 15% HCl acid and 50 bbls of crosslinked gel in three stages @ 6 BPM and 1650 - 2825 psi avg STP. Ran and set Arrowpac packer @ 12.010'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump). POOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 12,010'. Retrieved whipstock @ 12,994'. Squeeze cemented Devonian "B" & "C" lateral under a cmt retainer w/ 1160 sx Class H cement w/ additives. DO cmt, cmt retainer, and CIBP @ 12,310', and CO well to PBTD @ 12,784'. Ran and set CIBP @ 12,572'. Set whipstock @ 12,560'. Cut window and drilled lateral hole. Drilled lateral hole to the west in the Devonian "D" and "E" intervals to a measured depth of 14,467'. POOH w/ drill pipe, motors, and tools. Ran sprinkler system and acidized lateral from 12,710' - 14,418' w/ 15,000 gal 15% HCl acid @ 7 - 9.2 BPM and 3092 psi max STP. Ran and set packer @ 12,010'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11.611'. Put well on production (sub pump).
- (08-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,950'. Put well on production (sub pump).
- (08-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,962'. Put well on production (sub pump).
- (10-05) Workover: Attempted to fish 2 7/8" production tubing and sub pump out of the wellbore. Fish left in hole consists of sub pump, cable, and 109 joints of 2 3/8" L-80 tubing. TOF @ 9032' w. top of cable @ 8100' +/-. Ran 2 7/8" 7.9#/6.5# L-80 production tubing. RDMO.

- (05-07) Workover: POOH w/ 2 7/8" production tubing. Tagged up @ 8049'. Ran and set RBP @ 8020'. Pressure tested casing to 560 psi, held OK. Ran CCL/CBL log. Ran 2 7/8" 7.9#/6.5# L-80 production tubing. RDMO. TA well.
- (11-08) Workover: Retrieved and POOH w/ RBP @ 8020'. Fished and recovered sub pump cable, 109 joints of 2 3/8" L-80 tubing, sub pump, and Arrowset packer out of the wellbore. CO well to 12,174'. Ran and set Arrowset packer @ 12,040'. Ran sub pump on 2 7/8" 6.5# EUE, 2 7/8" PH-6 L-80, and 3 ½" PH-6 L-80 production tubing. Bottom of sub pump @ 11,953'. Put well on production (sub pump).

CELERO ENERGY

Mar. 31, 2009 DATE: **JEA** FIELD: Denton BY: T. D. Pope "35" WELL: 23 LEASE/UNIT: STATE: New Mexico **COUNTY:** Location: 1980' FNL & 660' FEL, Sec 35(H), T14S, R37ECM KB = 3,818'GL = 3.806'SPUD: 08/53 COMP: 11/53 API = 30-025-05197 CURRENT STATUS: P&A'd Devonian Producer (10-92) Original Well Name: T. D. Pope #20 (Mobil) Spotted 10 sx cmt plug @ surface. (10-92) 13 3/8" 48# @ 467' 9.5# mud 17 1/2" cmt'd. w/ 500 sx cmt. TOC @ surface (calc) Spotted 50 sx cement plug from 1,500' - 1,335' (10-92) Set cmt retainer @ 3,914' and pumped 1,125 sx Class H cmt. Cut off tubing @ 3,675' (cmt retainer would not hold). (10-92) 11". Top of all junk @ 3,979' after fishing and milling. 27 1/2 joints of 2 3/8" buttress tubing. Top @ 3094' and bottom @ 3939'. Top of 5 1/2" production liner @ 4,620'. Sgz'd TOL w/ 350 sx cmt. 8-5/8" 32# @ 4850" cmt'd. w/ 3069 sx cmt. TOC @ surface (calc) 383 joints of 2 3/8" tubing (corkscrewed) w/ top @ 3,200' +/- and bottom @ 12,022' before milling. TOC @ 7,352' (calc) 7 7/8" Possible casing leak @ 9,300' at Wolfcamp Squeeze cemented 5 1/2" casing leak w/ 400 sx cement. Baker Model N pkr @ 12,022' **Devonian "A":** 12,064' - 12,126', 12,195' - 12,246', 12,270' - 12,294' (11-53) **Devonian "B" & "C":** 12,358' - 12,398' (11-53) **Devonian "C":** 12,490' - 12,556' (11-53) 5 1/2" 17/20# liner from 4620' to 12,630' cmt'd w/ 775 sx cmt. Liner top was sqz'd w/ 350 sx cmt. PBTD - 12,628' TD - 12,630'

<u>Well History</u>

DATE: 03-31-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "35"

WELL NO.: 23

LOCATION: 1980' FNL, 660' FEL, Sec 35, T14S, R37E

API No.: 30-025-05197

• (11-53) – Initial Completion: Perforated Devonian "C" 12,490' – 12,556'. Acidized w/ 500 gal mud acid and 4,500 gal 20% LST acid @ 3.4 BPM and 4,800 – 2,800 psi STP. Perforated Devonian "B" and "C" 12,358' – 12,398'. Acidized w/ 500 gal mud acid and 4,500 gal 20% LST acid @ 3.6 BPM and 3,200 – 2,900 psi STP. Perforated Devonian "A" 12,270' – 12,294'. Acidized w/ 500 gal mud acid and 4,500 gal 20% LST acid @ 3.8 BPM and 3,500 – 2,800 psi STP. Perforated Devonian "A" 12,195' – 12,246'. Acidized w/ 500 gal mud acid and 4,500 gal 20% LST acid @ 3.8 BPM and 3,200 – 2,800 psi STP. Perforated Devonian "A" 12,064' – 12,126'. Acidized w/ 500 gal mud acid and 4,500 gal 20% LST acid @ 3.3 BPM and 5,000 – 2,500 psi STP. Put well on production (flowing), 333 BOPD on 16/64" choke, 100% oil cut, GOR of 964.

Other work done on this well was captured on the wellbore sketch by has not been personally verified.

- (09-74) TA Well:
- (10-92) P&A Well:

acilo el 1.1.7 mexico

Energ. Minerals and Natural Resources Department

Form C-143 Reviewd 1-1-89

DISTRICT!			
P.O. Box 1980	Hobbs.	NM	12240

DISTRICT P.O. Deewer DD, Artesia, NM 88210

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

WELL API NO. 5.

Indicate Type of	Leess _	٦ .
	STATE	650

DISTRICT III

10	00 Rio Brazos Rd., Aziec, Ned 87419			6. State Oil & Ges Lenes No.	
		S AND REPORTS ON V			
(ISALS TO DRILL OR TO DEE! IR. USE "APPLICATION FOR) FOR SUCH PROPOSALS.)		. 1. Torse Lenne of Cast Villenting	Name
•	Type of Well: Oll. GAS WILL X WILL	OTHER.		T.D. Pope	
•	Name of Operator S & J Operating Company			8. Well No. 23	
	Address of Operator P. O. Box 2249 Wichit	a Falls, TX 76	307	9. Pool manus or Wildcat Denton Devonian	
•	Well Location Unit Letter H: 1980	Feet From The North	Line and 660	Feet Proce The East	Line
	Section 35	Township 14-S	Range 37-E	NMPM Lea	County
		10. Elevation (Show when 3817 DF	he DF, RKB, RT, GR, ec.)		
1.	Check App	propriate Box to Indica		Report, or Other Data	

11.	Jheck App	propriate Box to Indi	icate i	Nature of Notice, Report, or	Othe	r Data		
NOTICE (OF INTEN	MON TO:		SUBSEQUE	ENT F	REPORT O	F:	
PERFORM REMEDIAL WORK		PLUG AND ABANDON		REMEDIAL WORK		ALTERING CA	SING	
TEMPORARILY ABANDON		CHANGE PLANS		COMMENCE DRILLING OPNS.		PLUG AND AE	MNDONMENT	X
PULL OR ALTER CASING				CASING TEST AND CEMENT JO				
OTHER:				OTHER:				

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.

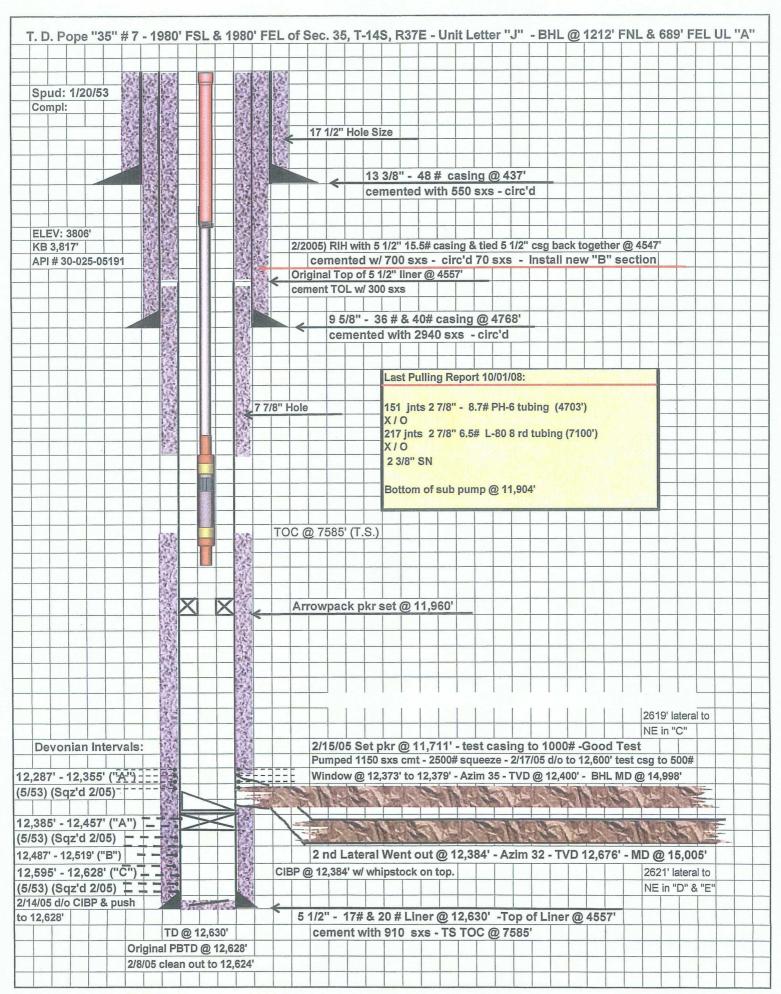
Fished junk and attempted to fish and mill junk in March, April and October, 1992. In total of 22 days gained from 3094' to 3979' and gave up when progress virtually stopped.

- Set 8 5/8" RTTS packer at 3917' and pumped into well. Pulled packer. 10-15-92
- Set 8 5/8" EZSB retainer on 2 7/8" OD tubing at 3914'. Pumped 1125 sx Class "H" 10-16-92 cement below retainer. Sting out of retainer but retainer would not hold. Sting into retainer and held pressure.
- Cut off tubing at 3675'. Spotted 50 sx Class "H" cement at 1500' and 10 sx 10-17-92 at ground.
- 10-21-92 Installed permanent P&A marker.

	ful complete of the best of my knowledge as		DATE 11-3-92
SIGNATURE VILLE GALL	· Arms /	Petroleum Engineer	DATE

yle F. Miraucliff me DIE GAS INSPECTOR

Stephens + John Lease: TD Pope	u Operating Co. Date:
Location: 1980 FNL: 660'FEL	Sec 35, 145, R3TE By: KA Carwile
Subject: we	Il completion
	Elevation: GL: 3806 KB: 3818
Spot 10 SK at Surface	CF: 3805
9.5# mud laden Sluid	
461 -	133/8" 48 # 11-40 csg set w/ 400 sx circ , 172" hole
5 pot 50 5 x @ 1500' 1335	Cut off tubing at 3675. (Retainer would not hold.)
Jet retainer 4+3914 + pumped 11255	23th touts of 238" butress tubing. Top at 3094 + bottom at 3939"
Top of all	383 joints of 23/8" tubing (corkscrewed) W/top at about 3200'd bollom at 12022'.
Junka 3929 1. Ju	before milling. Liner Top @ 4620 set w/ 350 sx cmt
4850	8 5/8" 32# 5 80 csg set W/ 3069 sx cmt circ , 11" hole
	(
	Swage Cog @ 8760-8770' (1-72)
	tossible casing leak at 9300' at Wolfcamp syzd csg leak @ 9362' w/ 400 sx cmt
	Syzd csg leak @ 9362' w/ 400 sx cmt
XI X	Baker Model N Pkr @ 12022
# #	Devonian Perfs: 6 TSPF, 1458 holes 12064-126, 12195-246, 12270-294, 12358-398, 12490-556
12630' P+A 10-12-9	12628 5な" 17 # J·55, 17 i 20 * N·80 ccy set w/ 175 sx cmt



DATE: 03-18-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "35"

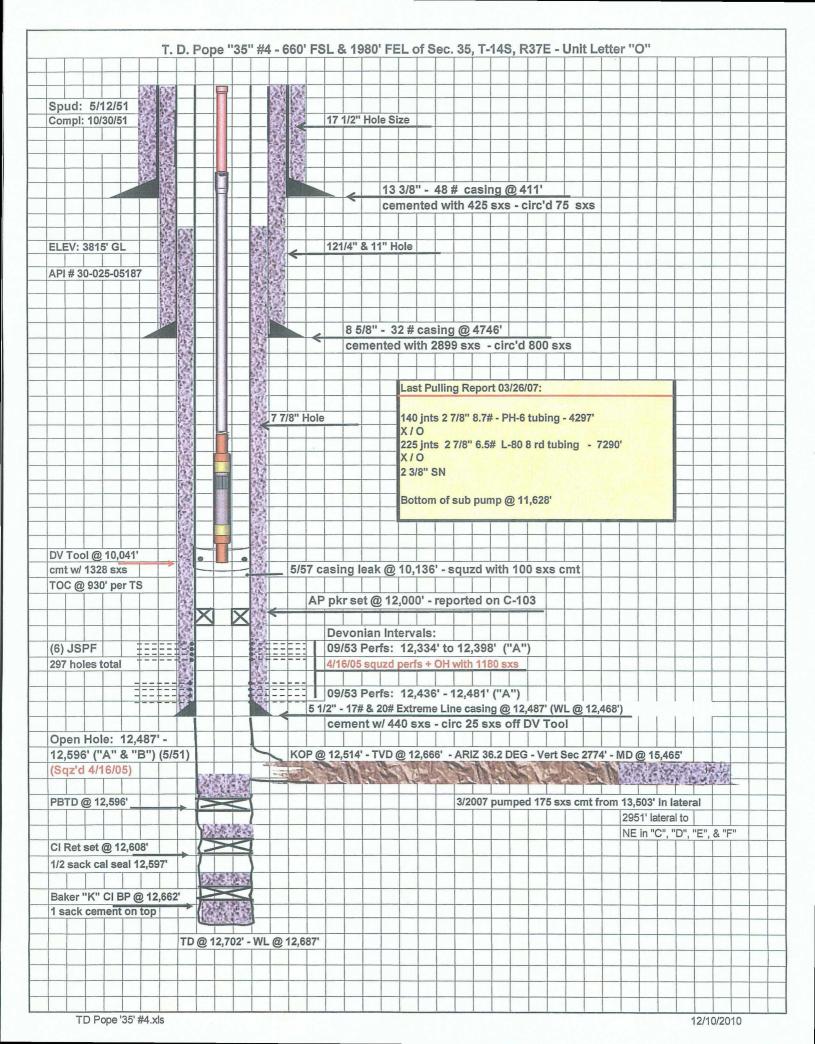
WELL NO.: 7

LOCATION: 1980' FSL, 1980' FEL, Sec 35, T14S, R37E

- (03-53) Initial Completion: Perforated Devonian "C" 12,595' 12,628' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 4.5 BPM and 2,800 2,600 psi STP. Perforated Devonian "B" 12,487' 12,519' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 4.5 BPM and 5,000 2,800 psi STP. Perforated Devonian "A" 12,385' 12,457' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 5 BPM and 4,000 2,000 psi STP. Perforated Devonian "A" 12,287' 12,355' (4 SPF) and acidized w/ 500 gal mud acid and 4,500 gal 20% SLT acid @ 4.5 BPM and 3,000 2,000 psi STP. Flowed/swabbed load back. Put well on production (flowing).
- (04-05) Dual Lateral Drill Well: Drill out and mill out junk in wellbore @ 12,318' and push junk downhole to 12,624'. Ran and set CIBP @ 4741'. Pressure tested production casing and liner to 1000 psi, tested OK. Ran 100 jts 5 ½" 15.5# casing and stung into top of 5 ½" casing @ 4547'. Cemented 5 ½" casing in place w/ 700 sx Class C cement w/ additives (circ 70 sx cmt). DO cement and CIBP @ 4741', and CO well to 12,628'. Squeeze cemented Devonian perforated intervals (12,287' 12,628') under a packer w/ 1,150 sx Class H cement w/ additives in preparation for drilling lateral in this wellbore. Tagged cement @ 11,864' and DO cmt and CO well to 12,600'. Tested squeeze to 500 psi, held OK. Ran and set CIBP @ 12,384'. Set whipstock @ 12,380'. Cut window and drilled lateral hole. Drilled lateral hole to NE in Devonian "C" interval to a measured depth of 14,998'. Spotted 3,000 gal 10% acetic acid. POOH w/ drill pipe, motors, and tools. Acidized lateral using a coiled tubing unit from 13,750' 14,998' w/ 11,000 gal 15% HCl acid @ 3 BPM and 1450 psi avg STP. Ran and set Arrowpac packer @ 12,015'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,853'. Put well on production (sub pump).
- (05-05) Drill Second Lateral: POOH w/ 2 7/8" production tubing and sub pump. Retrieved packer @ 12,015'. Drilled second lateral hole out of first lateral hole kicking out @ 12,384'. Drilled lateral hole to NE in Devonian "D" and "E" intervals to a measured depth of 15,005'. Spotted 10,000 gal 10% acetic acid. POOH w/ drill pipe, motors, and tools. Ran sprinkler system into the "D" & "E" lateral and acidized lateral from 13,033' 14,950' w/ 12,000 gal 15% HCl acid and 20 bbls crosslinked gel three stages @ 5 BPM and 2,200 psi avg STP. Ran and set Arrowpac packer @ 12,000'. Ran sub pump on 2 7/8"

- 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,512'. Put well on production (sub pump).
- (06-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,512'. Put well on production (sub pump).
- (06-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,515'. Put well on production (sub pump).
- (06-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (07-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,466'. Put well on production (sub pump).
- (08-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,466'. Put well on production (sub pump).
- (10-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 10,894'. Put well on production (sub pump).
- (10-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Retrieved Arrowpac packer @ 12,000'. Tagged RD of 2nd lateral @ 14,953'. Ran and set Arrowpac packer @ 11,960'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 10,906'. Put well on production (sub pump).
- <u>(01-06) R&R Sub Pump:</u> POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,895' and pump catcher @ 11,910'. Put well on production (sub pump).
- (02-06) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,910'. Put well on production (sub pump).
- (04-06) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,894'. Put well on production (sub pump).
- (04-07) Workover: POOH w/2 7/8" production tubing and sub pump. Ran and set packer @ 11,803'. Acidized Devonian laterals w/? gal acid and 3,000# rock salt on vacuum. Retrieved packer @ 11,803'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).
- (04-07) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @?'. Put well on production (sub pump).

on production (sub pump).	



DATE: 03-18-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "35" WELL NO.: 4

LOCATION: 660' FSL, 1980' FEL, Sec 35, T14S, R37E **API No.:** 30-025-05187

- (10-51) Initial Completion: Acidized Devonian "C" open hole 12,667' 12,702' w/ 10,500 gal 20% SLT acid @ 0.75 4.2 BPM and 4,200 0 psi STP. Swab tested interval. Set CIBP @ 12,662' w/ 1 sx cmt cap. Acidized Devonian Lower "B" and Upper "C" 12,619' 12,657' w/ 7,000 gal 20% SLT acid @ 0.1 2 BPM and 1,550 4,000 psi STP. Swab tested interval. Set cement retainer @ 12,608' w/ ½ sx calseal cap. Acidized Devonian Upper "B" 12,560' 12,597' w/ 19,000 gal SLT acid @ 0.1 4.6 BPM and 900 5200 psi STP. Swab tested interval. Put well on production (flowing).
- (09-53) Add Pay Workover: Perforated Devonian "A" 12,436' 12,481' (6 SPF) and acidized w/ 500 gal mud acid and 7,000 gal 20% LST acid @ 3.5 BPM and 1,700 2,600 psi STP. Perforated Devonian "A" 12,334' 12,398' (6 SPF) and acidized w/ 500 gal mud acid and 7,000 gal 20% LST acid @ 4.1 BPM and 1,000 3,900 psi STP. Swab tested intervals. Put well on production (flowing).
- (05-57) Workover: Squeeze cemented casing leak @ 10,136' w/ 100 sx cement. Returned well to production (gas lift).
- (10-80) Workover: Acidized Devonian 12,334' 12,597' w/ 3,000 gal 20% NEFE acid and 1,000# rock salt in 3 stages @ 3 BPM and 500 1,400 psi STP. Returned well to production (hydraulic pump).
- (04-88) TA Well:
- (06-05) Single Lateral Re-entry Workover: Drill out and mill out junk in wellbore @ 12,242' 12,542'. Pressure tested 5 ½" production casing to 11,804' w/ 1000 psi, tested OK. Squeeze cemented Devonian perforated intervals under a packer w/ 1,180 sx Class H cement w/ additives in preparation for drilling lateral in this wellbore. Tagged cement @ 11,742' and DO cmt and CO well to 12,528'. Tested squeeze, held OK. Ran Schlumberger GR/CCL/USIT log. Kicked off lateral @ 12,514' and drilled lateral hole to NE in Devonian "C", "D", "E", and "F" intervals to a measured depth of 15,465'. Spotted 5,000 gal 10% acetic acid. POOH w/ drill pipe, motors, ant tools. Ran sprinkler system and acidized lateral from 15,080' 13,080' w/ 20,000 gal 15% HCl acid and 90 bbls gel block in 4 stages @ 6

- BPM and 1,900 2,200 psi STP. Ran and set Arrowpac packer @ 12,000'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,105'. Put well on production (sub pump).
- (07-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,506'. Put well on production (sub pump).
- (11-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,774'. Put well on production (sub pump).
- (03-07) Workover: POOH w/ 2 7/8" production tubing and sub pump. Squeeze cemented lateral from 13,503' w/ 175 sx Class H cement w/ additives. Did not tag any cement @ 13,503'. Acidized lateral under a packer w/ 3,000 gal 15% NEFE acid @ 6.1 BPM and 40 psi avg STP. Swabbed load back. Squeeze cemented Devonian under a packer @ 12,101' w/ 200 sx Class H cement w/ additives. Ran and set Arrowpac packer @ 12,011'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,628'. Put well on production (sub pump).

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DATE: 07-20-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: T.D. Pope "36"

WELL NO.: 6

LOCATION: 660' FNL, 330' FWL, Sec 36, T14S, R37E

- (12-53) Initial Completion: Open hole Devonian "B", "C", and "D" natural completion 12,442' 12,643'. No stimulation. Put well on production (flowing), 1319 BOPD on a 34" choke.
- (02-61) Workover: Acidized Devonian "B", "C", and "D" open hole (12,442' 12,643') w/ 5,000 gal petrofrac (no sand) @ 7 BPM and 0 1,800 psi STP. Perforated Devonian "A" interval 12,224' 12,254', and Devonian "B" interval 12,336' 12,400'. Acidized Devonian "A" and "B" (12,224' 12,400') w/ 5,000 gal gelled acid @ 6.8 BPM and 0 psi STP. Returned well to production, 165 BOPD, no water, and a GOR of 1110.
- (01-64) Workover: Set CIBP @ 12,415'. Set cmt retainer @ 12,175'. Squeeze cemented Devonian "A" and "B" (12,224' 12,400') w/ 400 sx cement in four stages. DO cmt retainer and cement and CO well to TD @ 12,643. Acidized Devonian "B", "C", and "D" open hole (12,442' 12,643') w/ 5,000 gal 15% acid and 1,000 gal gelled fluid and 1,000# moth balls for diversion in three stages. Perforated Devonian "A" and "B" intervals 12,224', 12,238', 12,244', 12,251', 12,280', 12,289', 12,299', 12,302', 12,340', 12,350', 12,362', 12,371, and 12,390' (1 SPF). Acidized Devonian "A" and "B" (12,224' 12,390') w/ 17,800 gal Flax 2 acid and 850 gal BDA, 555 gal gelled acid, and 600# moth balls in three stages. Returned well to production, 97 BOPD, 89 BWPD, and a GOR of 870.
- (10-74) TA'd Well:
- (04.95) Workover: Ran and set cmt retainer @ 12,208'. Pumped 100 sx cement into Devonian "A", "B", "C", and "D" (12,224' 12,643'). Swab tested well. Shut well in.
- (06-95) Workover: Squeeze cemented Devonian "A", "B", "C", and "D" (12,224' 12,643') w/ 98 bbls injectoral and 100 sx cement. Perforated Devonian "A" intervals 12,114' 12,116', 12,119' 12,122', 12,128' 12,130', 12,135', 12,137' 12,138', 12,140', 12,153', 12,156' 12,157', 12,159' 12,162', 12,164' 12,165', 12,169' 12,170', 12,172' 12,175', and 12,177' 12,186' (1 SPF). Swab tested well. Returned well to production.

- (04-97) Workover: Set CIBP @ 12,000' w/ 20' cement cap. Perforated Wolfcamp intervals 9,192' 9,206', 9,208' 9,241', 9,263' 9,272', 9,293' 9,302', 9,304' 9,308', 9,316' 9,320', 9,355' 9,363' (4 SPF). Acidized Wolfcamp (9,192' 9,363') w/ 8,000 gal 20% acid and 3,500# rock salt in 8 stages. Returned well to production (rod pump).
- (06-05) Single Lateral Re-entry Workover: DO/CO well to 11,638'. Set cmt retainer @ 9075'. Squeeze cemented perfs @ 9,192' 9.363' w/ 375 sx Class H cmt. DO cmt retainer and cement. Pressure tested casing to 1200 psi, lost 300 psi in 30 min. DO CIBP's @ 11,800' and 11,975'. DO/CO well to 12,544'. Worked tight spot in 7" casing from 9427' 9440'. Ran Schlumberger log. Set cmt retainer @ 11,510'. Squeeze cemented Devonian w/ 1150 sx Class H cement in preparation for drilling lateral in this wellbore. Tagged cement @ 11,507' and DO cmt retainer and cmt to 12,474'. Kicked off lateral @ 12,474' and drilled lateral hole to SE in Devonian "C" interval to a measured depth of 14,438'. Spotted 5,000 gal 10% acetic acid. POOH w/ drill pipe, motors, ant tools. Ran sprinkler system and acidized lateral from 14,436' 12,910' w/ 20,000 gal 15% HCl acid and 75 bbls crosslinked gel block in 4 stages @ 4.5 BPM and 2,900 3,400 psi STP. Ran and set Arrowpac packer @ 12,000'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?'. Put well on production (sub pump).
- (10-05) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 10,975'. Put well on production (sub pump).
- (03-07) Workover: POOH w/ 2 7/8" production tubing and sub pump. Retrieved packer set @ 12,000'. Perforated Devonian intervals @ 2 SPF ("A") 12,104' 12,128', 12,148' 12,178', 12,216' 12,246', and ("B") 12,325' 12,413' (352 shots). Set RBP @ 12,405'. Acidized Devonian (12,104' 12,413') w/ 8,000 gal 15% NEFE acid and 6,000# rock salt in three stages. Retrieved RBP @ 12,405'. Ran and set Arrowpac packer @ 12,000'. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ ?'. Put well on production (sub pump).
- (09-07) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,723'. Put well on production (sub pump).
- (10-07) R&R Sub Pump: POOH w/ 2 7/8" production tubing and sub pump. Ran sub pump on 2 7/8" 7.9#/6.5# L-80 production tubing. Bottom of sub pump @ 11,723'. Put well on production (sub pump).

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DATE: 05-21-2009

FIELD: Denton

COUNTY, STATE: Lea, New Mexico

LSE/UNIT: W. T. Mann "A"

WELL NO.: 3

LOCATION: 1980' FNL, 2310' FEL, Sec 36, T14S, R37E

- (12-54) Initial Completion: Perforated Devonian interval 12,528' 12,552', 12,590' 12,600', 12,610' 12,636' (4 SPF). Swab/flow tested well. Acidized Devonian (12,528' 12,636') w/ 1,000 gal mud acid @ 3 BPM and 800 1,300 psi STP. Flow tested well. Put well on production (flowing), 1584 BOPD, 100% oil cut, 3/4" choke.
- (10-57) Workover: Set CIBP @ 12,570' w/ 1 sx cement cap. Acidized Devonian (12,528' 12,552') w/ 1,000 gal 15% acid @ 1.5 BPM and 0 3,000 psi STP. Swab tested well. Set cmt retainer @ 12,510' and squeeze cemented perfs 12,528' 12,552' w/ 100 sx cement. Perforated Devonian interval 12,476' 12,507' (4 SPF). Acidized Devonian (12,476' 12,507') w/ 500 gal mud acid @ 2,000 3,200 psi STP. Returned well to production, 130 BOPD, 0 BWPD, and a GOR of 940.
- (11-58) Workover: POOH w/ production tubing. Perforated Devonian interval 12,410' 12,460' (4 SPF). Acidized Devonian (12,410' 12,460') w/ 4,000 gal 15% LST acid @ 9 BPM and 200 3,500 psi STP. Returned well to production, 194 BOPD, 0 BWPD, and a GOR of 1357.
- (01-66) Recomplete to Wolfcamp: Set CIBP @ 12,345' w/ 3 sx cement cap. Perforated 7" casing w/ 4 holes @ 9,502'. Set cmt retainer @ 9,483' squeeze cemented perfs @ 9,502' w/ 50 sx Incor cement. Perforated Wolfcamp 9,284' 9,288', 9,292', 9,294', 9,299' 9,302', 9,310' 9,312', 9,316' 9,318', 9,424' 9,430', and 9,434' 9,436' (2 SPF). Acidized Wolfcamp (9,284' 9,436') w/ 5,000 gal 15% NE acid and 36 ball sealers @ 2.5 BPM and 3,300 4,400 psi STP. Swab tested well. Returned well to production (rod pump).
- (11-66) Converted to Wolfcamp Water Injection Well: POOH w/ rods, pump, and production tubing. Ran 2 7/8" injection tubing and injection packer. Set pkr @ ??. Converted well to water injection in the Wolfcamp.
- (09-69) Workover: POOH w/ 2 7/8" cmt lined injection tubing. Isolated 7" casing leak from 6,049' 7,460'. Squeeze cemented 7" casing leak w/ 200 sx Incor cement. DO cmt and pressure tested casing to 1000 psi, leaked off. Isolated 7" casing leak from 7,831' -

7,862'. Ran 27/8" injection tubing and stung into injection packer @ 9,252'. Returned well to water injection in the Wolfcamp.

- (10-75) TA Well:
- (10-82) P&A Well:

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17. Describe Pro		perations (Clearly state	all pertinent det	ails, and give pertinent date	es, including e	stimated date of starti	ng any proposed
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10/04/82	MI Baber P&A	Ut, notified NM	OCD, got	vbl OK to P&A, un	load & ra	ck 2-3/8 work	
	tbg, NU BOP,	WIH $w/2-3/8$ OF	tbg to 22	200.	•		
10/05/82	Fin GIH w/ 2-	-3/8 OE tbg, sto	pped @ 604	0, could not work	deeper,	POH, WIH w/	
	5-5/8 tooth	type bit, work t	hru short	bridges to 6160 &	stopped	going, POH	
10/05/00	w/ bit, bit	teeth packed w/	cmt & iron	n sulfide.			
10/06/82	WIH w/ 6" to	oth type bit, 2	-4-3/4 co	ols on 2-3/8 tbg,	DO iron s	ulfide 6040-	
	6110 & fell (thru, circ hole	clean, ran	1 bit & CO 9119 to	D pkr @	9252, circ	
		pulled 44 jts tb				-	
10/07/82	Fin POH w/ th	og, DC & bit, RI	H w/ 2-3/8	tbg OE to Baker	Model D p	kr w/ DR plug	-
	@ 9252, circ	hole to 10# br	mud, Baber	spotted 30x Clas	s H cmt o	n top of pkr	
•	9252 to calc	top @ 9100, job	· procedure	was ok'd by Ed S	id w/ NM	OCD, POH w/	
70/00/00	2-3/8 the to	3200.				-	
10/08/82	Fin LD extra	tbg,rem BOP, DO	csg head,	welded on lift s	ub, instl	csg jacks.	
	PU 250,000# 1	rem slips-freept	indicated	stuck @ 4800, tr	ying to w	ork free pt	
	deeper.					•	
10/09-	Ran free pt o	on 7" csg, free	to 5200, P	aber cut csg @ 52	05, worke	d 7" csg 1 hr	
10/82	pipe stuck, t	broke off lift s	ub. SDFN &	Sunday, prep to	pickup w/	CEO EDEST	•
10/11/82	Latch into 7-	-5/8 csg w/ csg	spear, cou	ld not move csg a	fter jarr	ing 1-1/2 hr.	
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CONDITIONS OF APPROVAC, IF ANY

CONTINUED FROM FRONT

- (Cont.) notified Jerry Sexton w/ NM OCD & obtained permission to cut 7-5/8 csg @ 10/11/82
- 10/12/82
- 4820, cut csg & could not pull csg, rewelded lift sub.

 Work 7" csg free 4 hrs, LD 70 jts 7" csg = 2292'.

 LD addl 82 jts & 5' piece of 7" csg, total csg rec 152 jts 7" 4873' of good csg, start in hole w/ OE 2-3/8 tbg. 10/13/82
- Fin GIH w/ 2-3/8 OE tbg to 6114, Baber WS spotted 50x Class C cmt across csg 10/14/82 holes 6049, pulled up clear, WOC 4 hrs, ran back & tag cmt @ 5904, pulled OE tbg up to 5260, spotted 30x Class C cmt across 7" csg, cut @ 5205, est T/cmt @ 5160, pulled OE tbg up to 4870, spotted 75x Class C cmt across 7" csg, cut
- off stub @ 4820, est T/cmt 4600, pulled up clear.
 Ran tbg, tag cmt @ 4630, pull OE 2093, spotted 60x Class C, est top @ 1900, 10/15/82 pulled OE tbg 372, spotted 40x Class C, est T/cmt 250, set 30' cmt plug in top of csg, cut off wellhead, weld 13-3/8 steel plate w/ P&A marker, rel Baber P&A Sv Ut @ 3 pm 10/15/82. FINAL REPORT.

PERCEIVED

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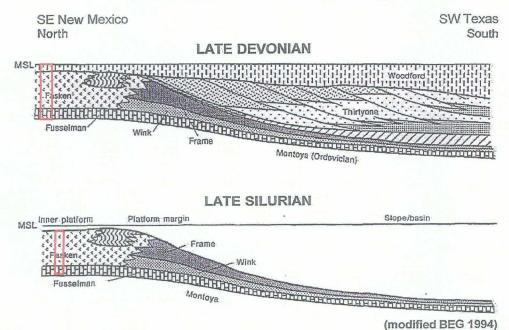
Denton Silurian/Devonian Stratigraphy & Denton Field Area Type Log

Denton Area Stratigraphic Column

STRATIGRAPHY EXPLANATION: The Denton Field is historically referred to as Devonian in age but is actually Silurian in age. More precisely, the section is the Fasken Member of the Wristen Formation (see stratigraphic column below). However, because the Wristen Group and Fusselman formations are difficult tosegregate the section is simply referred to as the "Silurian" (see depositional relationship diagram below). The yellow highlight denotes the Denton Field Stratigraphy.

System	Series	Stage	Time (m.y.)	Sea- level fall	SE N. Mexico
	I Tara an mare	Famennian	- 367 -		Woodford
	Upper	Frasnian	- 377 -		
Z		Givetian			
DEVONIAN	Middle	Eifellan	- 381 -		
DEV		Emsian	- 386 - - 390 -		
	Lower	Pragian	- 396 -		
		Lochkovian			Thirtyone (Eroded @ Denton
1	Pridolian		409 -		Group Frame en
AN	Ludlovian	A P	- 411 -	The D	
SILURIAN	Wenlockian		- 424 -		Wristen Wink Fash
	Llandoverian	Ci Bi	- 430 -		Fusşelman
ORD.	Ashgillian	Hirnantian	- 439 -		(BEG 1994)

Depositional Relationship of Devonian and Silurian Age Rocks in SE New Mexico & W Texas



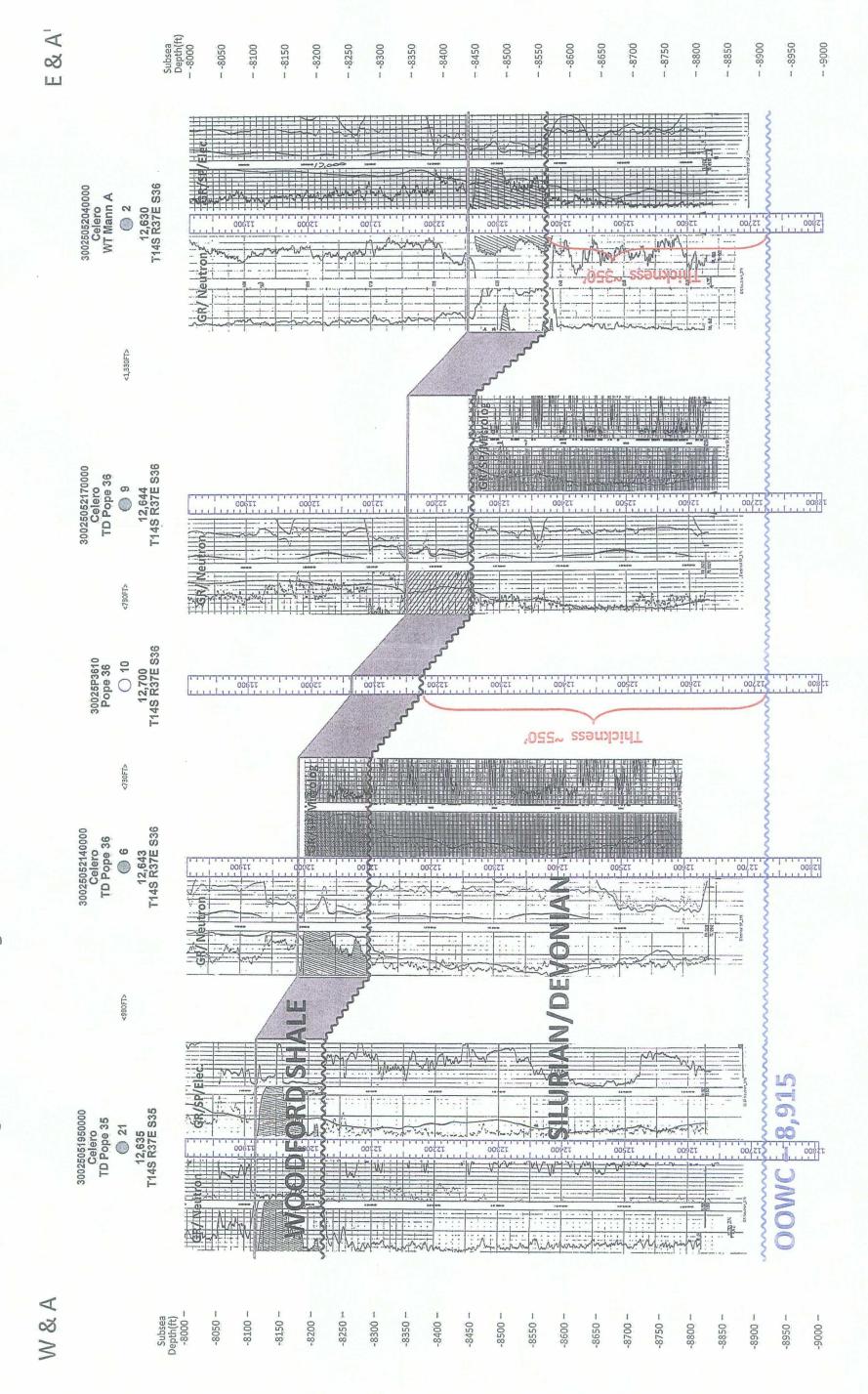
Diagrammatical depositional relationship of Devonian and Silurian age rocks in SE New Mexico and West Texas showing how Silurian age rocks in the SE New Mexico were misinterpreted as Devonian age. Both age units consist predominantly of limestone and dolomite. The yellow highlight denotes the Denton Field location.

TYPE LOG

30025370320000 Celero Energy TD Pope 35

T14S R37E S35 GR POR. WOODFORD SHALE Dol. Dol. Dol.

SILURIAN/DEVONIAN FORMATION





(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet) Sub $\mathbf{Q}_{\mathbf{Q}}\mathbf{Q}_{\mathbf{Q}}$ Depth Depth Water POD Number basin Use County 64:16:4 Sec Tws Rng X, Y, Well WaterColumn L 00604 EXPLORE **IRR** LE 1 1 25 **14S** 37E 671821 3661652* 150 L 00604 S-3 **IRR** LE 1 3 3 25 **14S** 37E 671644 3660646* 165 671821 L 00604 S-4 **IRR** LE 4 1 1 25 **14S** 37E 3661652* 150 **PRO** L 02299 LE 3 3 25 **14S** 37E 671745 3660547* 107 41 66 **PRO** LE 3 25 **14S** 37E 671745 3660547* 107 41 L 02299 APPRO 66 **PRO** LE 25 **14S** 671722 110 55 L 02335 1 37E 3661753* 55 L 02335 APPRO **PRO** LE 25 37E 671722 3661753* 55 55 1 **14S** 110 L 02337 **PRO** LE 25 148 37E 671722 3661753* 110 55 55 L 02337 APPRO **PRO** LE 1 25 **14S** 37E 671722 3661753* 110 55 55 L 02517 **PRO** LE 25 **14S** 3 3 1 37E 671629 3661250* 110 45 65 **PRO** LE 25 L 02517 APPRO 3 1 **14S** 37E 671629 3661250* 110 45 65 **PRO** LE 3 25 **14S** 672039 3660854* L 02605 37E 110 55 55 PRO LE 3 2 3 25 **14S** 37E 672039 3660854* 55 L 02605 APPRO 110 55 L 02650 **PRO** LE 4 3 3 25 **14S** 671844 37E 3660446* 105 60 45 L 02650 APPRO PRO LE 3 3 25 **14S** 37E 671844 3660446* 60 45 L 02714 **PRO** LE 1 25 **14S** 37E 672132 3661357* 107 52 55 L 02714 APPRO **PRO** LE 4 25 **14S** 1 37E 672132 3661357* 107 55 52 25 L 02748 PRO LE 3 3 1 **14S** 37E 671629 3661250* 108 48 60 L 02748 APPRO **PRO** LE 3 3 1 25 148 37E 671629 3661250* 108 48 60 L 02884 PRO LE 3 2 25 148 37E 672535 3661363* 115 50 65 L 02884 APPRO **PRO** LE 3 2 25 **14S** 37E 672535 3661363* 115 50 65

STK

DOM

LE

LE

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

25

25

4 2 2

14S

14S

37E

37E

672751

673029

3660759*

3661670*

90

120

75

83

15

37

L 09969

L 10351

^{*}UTM location was derived from PLSS - see Help

Average Depth to Water:

54 feet

Minimum Depth:

41 feet 83 feet

Maximum Depth:

Record Count: 23

Basin/County Search:

County: Lea

PLSS Search:

Section(s): 25

Township: 14S

Range: 37E



(quarters are 1=NW 2=NE 3=SW 4=SE)

Physical Program of the Control of t		• •						est)	(NAD83 UTN	/ in meters)		(In feet)	STEEL PRODUCTION
POD Number	Sub basin Use (Count	TO THE	Q 16	in Total	Sec	Tws	Rng	X			epth: W VaterCo	
L 01562 APPRO	PRO	LE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2	26	148	37E	670925	3661339*	110	45	
L 01800	PRO	LE		1	4	26	148	37E	670933	3660937*	110	50	(
L 01800 APPRO	PRO	LE		1	4	26	148	37E	670933	3660937*	110	50	+
L 02129 APPRO	PRO	LE		4	4	26	148	37E	671343	3660541*	110	33	
L 02130	PRO	LE		4	1	26	148	37E	670523	3661333*	110	34	
L 02130 APPRO	PRO	LE		4	1	26	148	37E	670523	3661333*	110	34	
L 02159	PRO	LE		4	4	26	148	37E	671343	3660541*	110	33	
L 02159 APPRO	PRO	LE		4	4	26	148	37E	671343	3660541*	110	33	
L 02207	PRO	LE			3	26	148	37E	670337	3660723*	110	45	
L 02207 APPRO	PRO	LE			3	26	148	37E	670337	3660723*	110	45	
L 02221	PRO	LE		1	4	26	148	37E	670933	3660937*	131	50	
L 02221 APPRO	PRO	LE		1	4	26	148	37E	670933	3660937*	131	50	
L 02235	PRO	LE		4	3	26	148	37E	670538	3660528*	65	30	
L 02235 APPRO	PRO	LE		4	3	26	148	37E	670538	3660528*	65	30	
L 02237	PRO	LE		2	1	26	148	37E	670515	3661735*	118	32	
L 02237 APPRO	PRO	LE		2	1	26	148	37E	670515	3661735*	118	32	
L 02254	PRO	LE		1	1	26	148	37E	670113	3661729*	105	55	
L 02254 APPRO	PRO	LE		1	1	26	148	37E	670113	3661729*	105	55	
L 02421	PRO	LE		3	1	26	148	37E	670120	3661327*	110	40	
L 02421 APPRO	PRO	LE		3	1	26	148	37E	670120	3661327*	110	40	
L 02472	PRO	LE		4	1	26	148	37E	670523	3661333*	73	32	
L 02472 APPRO	PRO	LE		4	1	26	148	37E	670523	3661333*	73	32	
L 02518	PRO	LE		4	2	26	148	37E	671328	3661345*	125	45	
L 02518 APPRO	PRO	LE		4	2	26	148	37E	671328	3661345*	125	. 45	
L 02620	PRO	LE	3	1	1	26	148	37E	670012	3661628*	108	32	
L 02620 APPRO	PRO	LE	3	1	1	26	148	37E	670012	3661628*	108	32	
L 05528	DOM	LE		1	2	26	148	37E	670917	3661741*	100	56	
L 06071	DOM	LE		4	4	26	148	37E	671343	3660541*	120	85	
L 11166	STK	LE	2	2	2	26	14S	37E	671219	3661646*	150	90	

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

Depth Depth Wate basin Use County 64 16 4 Sec Tws Rng Y Well WaterColumn

L 11239

DOM 1 1 2 26 14S 37E LE

670816 3661840*

> Average Depth to Water: 43 feet

> > Minimum Depth:

30 feet

Maximum Depth:

90 feet

Record Count: 30

Basin/County Search:

County: Lea

PLSS Search:

Section(s): 26

Township: 14S

Range: 37E



(quarters are 1=NW 2=NE 3=SW 4=SE)

ACCRECATION AND CONTRACTOR AND	medicini oʻni Lobencini	(quarte	rs a	re :	sma	llest	to larg	est)	(NAD83 UTN	/ in meters)	aktoon anganin kila	(In feet)	PET SPECIAL
Sub				3.00	Q		4			A little of the control of the contr	100 miles 1 100 mi	epth Wa aterColu	777
POD Number basi	n Use (C	ounty	04	10	4	Sec	: I WS	Kng	X	. The state of the	AAGII VY	atercon	mn
L 01488 APPRO	PRO	LE		4	1	35	14S	37E	670553	3659724*	115	36	79
L 01560 APPRO	PRO	LE	4	3	3	35	148	37E	670265	3658812*	120	33	87
L 01573 APPRO	PRO	LE		3	4	35	148	37E	670971	3658925*	60	30	30
L 01665 APPRO	PRO	LE		4	4	35	148	37E	671374	3658931*	110	30	80
L 01942	PRO	LE		3	3	35	148	37E	670166	3658913*	110	55	55
L 01942 APPRO	PRO	LE		3	3	35	148	37E	670166	3658913*	110	55	55
L 02222	PRO	LE		2	4	35	148	37E	671366	3659334*	130	50	80
L 02222 APPRO	PRO	LE		2	4	35	148	37E	671366	3659334*	130	50	80
L 02297	PRO	LE		2	2	35	148	37E	671351	3660138*	105	55	50
L 02297 APPRO	PRO	LE		2	2	35	148	37E	671351	3660138*	105	55	50
,									Avera	age Depth to	Water:	44 feet	
										Minimum	Depth:	30 feet	
										Maximum	Depth:	55 feet	

Record Count: 10

Basin/County Search:

County: Lea

PLSS Search:

Section(s): 35

Township: 14S

Range: 37E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

^{*}UTM location was derived from PLSS - see Help



(quarters are 1=NW 2=NE 3=SW 4=SE)

መከር ነገር ነው ነገር	Phonos are consumer to proper tilter at 1888	(quarte	rs a	re s	ma	llest	to larg	est)	(NAD83 UTN	/ in meters)	to contract the second	(In feet)	The state of the
Süb POD Number baslı	THE STATE OF THE STATE OF	Sounty		Q 16	1,634	Sec	Tws	Rna	×		TWI. STEEDWARD	epth W VaterCol	6874363-7588
L 01403 APPRO	STK	LE	2 2		3	36	14S	37E	672278	3659043*	85	39	46
L 01683	PRO	LE		3	3	36	148	37E	671776	3658938*	115	55	60
L 01683 APPRO	PRO	LE		3	3	36	148	37E	671776	3658938*	115	55	60
L 02085	PRO	LE		1	4	36	148	37E	672574	3659352*	112	50	62
L 02085 APPRO	PRO	LE		1	4	36	148	37E	672574	3659352*	112	50	62
L 02116	PRO	LE		2	3	36	148	37E	672171	3659346*	112	50	62
L 02116 APPRO	PRO	LE		2	3	36	148	37E	672171	3659346*	112	50	62
L 02334	PRO	LE		1	1	36	145	37E	671753	3660144*	110	55	55
L 02334 APPRO	PRO	LE	•	1	1	36	148	37E	671753	3660144*	110	55	55
L 02473	PRO	LE		4	1	36	148	37E	672163	3659748*	120	55	65
L 02473 APPRO	PRO	LE		4	1	36	148	37E	672163	3659748*	120	55	65
L 02531	PRO	LE		3	1	36	148	37E	671761	3659742*	115	50	65
L 02531 APPRO	PRO	LE		3	1	36	148	37E	671761	3659742*	115	50	65
L 02763	PRO	LE		2	4	36	148	37E	672976	3659358*	100	40	60
L 02763 APPRO	PRO	LE		2	4	36	148	37E	672976	3659358*	100	40	60
L 02953	PRO	LE		2	4	36	14S	37E	672976	3659358*	120	65	55
L 02953 APPRO	PRO	LE		2	4	36	148	37E	672976	3659358*	120	65	55
L 04694	DOM	LE	3	4	-1	36	148	37E	672062	3659647*	122	90	32
L 04694 APPRO	DOM	LE	3	4	1	36	148	37E	672062	3659647*	122	90	32
L 06263	DOM	LE	3	1	4	36	148	37E	672473	3659251*	100	50	50
L 12362 POD1	SAN	LE	2	2	2	36	148	37E	673058	3660277	193	95	98

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

^{*}UTM location was derived from PLSS - see Help

Average Depth to Water: 57 feet

Minimum Depth: 39 feet

Maximum Depth: 95 feet

Record Count: 21

Basin/County Search:

County: Lea

PLSS Search:

Section(s): 36

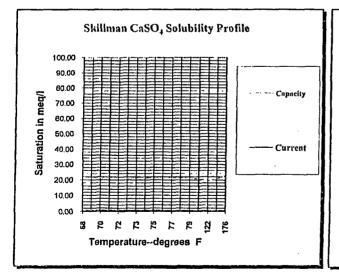
Township: 14S

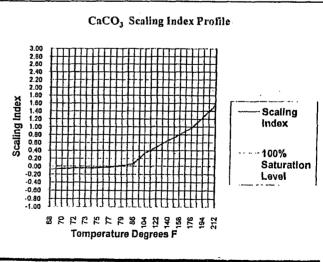
Range: 37E



WATER ANALYSIS REPORT

SA	MPLE			1					
	Oil Co: CELERO		Date Samp		10/27/10				
	Lease: DENTON FIELD		Date Analy:						
	Well No.: FRESH WATER		Lab ID Number: 10/28/10CELERO DENTON FIELDFRESH WATER W						
	Location: DISCHARGE LI		Account Manager: C. DANIELS						
	Attention: ACCT. MANAG	ER	Requested	By: LAB					
AN	<u>ALYSIS</u>		File Na	Me: 10/28/10/CELERO DENTON FIELD	FRESH WATER WELL EAST				
1	pН	7.0	N	ote: L					
2	Specific Gravity	1.007							
3	CaCO ₃ Saturation Index	@80 F	0.02						
		@140 F	0.66						
	DISSOLVED GASES		MG/L	EQ. WT	MEQ/L				
4	Hydrogen Sulfide		0						
5	Carbon Dioxide		5						
6	Dissolved Oxygen	•	NOT DETERMIN	ED					
	CATIONS								
7	Calcium	(Ca ⁺⁺)	160	20.1	7.96				
8	Magnesium	$(Mg^{\dagger\dagger})$	24	12.2	1.99				
9	Sodium	(Na ⁺⁺) (Calculated)	514	23.0	22.34				
10	Barium	(Ba ⁺⁺)	0	68.7	0.00				
	ANIONS	•							
11	Hydroxyl	(OH [†])		17.0	0.00				
12	Carbonate	(CO ₃ ")		30.0	0.00				
13	Bicarbonate	(HCO ₃ ')	207	61.1	3.39				
14	Sulfate	(SO ₄ -)	31	48.8	0.64				
15	Chloride	(Cl)	1,000	35.5	28.17				
16	Total Dissolved Solids		1,938						
17	Total Iron	(Fe)	2	18.2	0.09				
18	Total Hardness as CaCO ₃		500						
19	Resistivity @ 75	°F (Actual)	13.8568	OHM/METERS					

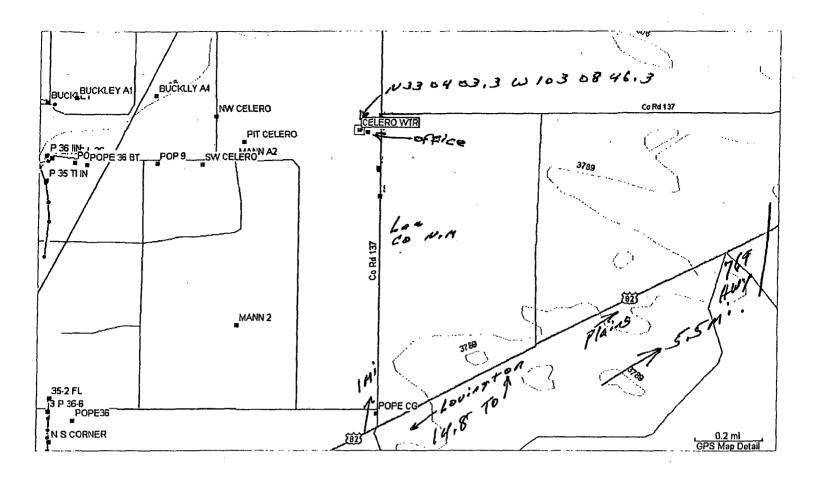




- CaSO4 Scale is not likely

Post Office Box 11383 Midland, Texas 79702 (432) 684-4700 (432) 686-8000 Celero Energy II, LP

Form C-108; W T Mann A No. 2 Water Well Analysis



C-108 Application Celero Enegy II, LP Denton Devonian Waterflood Pilot Project

January, 2010

Pilot Project Lease Location: S/2 SW/4 of Section 25;

NW/4 & W/2 NE/4 of Section 36;

Both in Township 14 South, Range 37 East, NMPM

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

John E. Anderson, P. E.

Celero Energy II, LP Petroleum Engineer /18/11 Date

Date

Celero Energy II, LP Form C-108 Application Denton Devonian Pilot Waterflood Project ½ Mile AOR Operator/Leasehold Owner Identification List

Section 25, T-14 South, Range 37 East:

SE/4 (Fort Lease)

Stephens & Johnson Operating Company-Leasehold Owner

SW/4 (Buckley Lease)

Stephen & Johnson Operating Company-Operator/Leasehold Owner Celero Energy II, LP-Operator/Leasehold Owner Harvard Petroleum Corporation-Operator

Section 26, T-14 South, Range 37 East:

E/2 SE/4 & SW/4 SE/4 (T. D. Pope "26" Lease)

Stephens & Johnson Operating Company-Operator/Leasehold Owner Celero Energy II, LP-Operator/Leasehold Owner

Section 35, T-14 South, Range 37 East:

NE/4 & NE/4 SE/4 (T. D. Pope "35" Lease)

Stephens & Johnson Operating Company-Operator/Leasehold Owner Celero Energy II, LP-Operator/Leasehold Owner

Section 36, T-14 South, Range 37 East:

NW/4 & N/2 SW/4 (T. D. Pope "36" Lease)

Stephens & Johnson Operating Company-Operator/Leasehold Owner Celero Energy II, LP-Operator/Leasehold Owner

NE/4 & N/2 SE/4 (Mann Lease)

Stephens & Johnson Operating Company-Operator/Leasehold Owner Celero Energy II, LP-Operator/Leasehold Owner

Celero Energy II, LP Form C-108 Application Denton Devonian Pilot Waterflood Project 1/2 Mile AOR Operator/Leasehold Owner Identification List-Cont.

Section 30, T-14 South, Range 38 East:

SW/4 SW/4 (Bryce/Appleton Lease)

Cimarex Energy Company-Leasehold Owner

Section 31, T-14 South, Range 38 East:

W/2 NW/4 (Hinkley Lease)

Cimarex Energy Company-Leasehold Owner Devon Energy Production Company-Leasehold Owner Chesapeake Energy Corporation-Leasehold Owner Live Oak Mineral Partners-Leasehold Owner

Celero Energy II, LP Offset Lease Working Interest Owners

Buckley Lease

Roy G Barton, Sr. & Opal Barton Revocable Trust J. T. Hanners Trabajo Del Spear, LP

T. D. Pope "36" Lease

Herd Oil & Gas Company

Surface Owners

W T Mann "A" No. 2 Water Injection Well/Location Celero Energy II, LP

T D Pope "36" No. 10 Water Injection Well/Location Donald Spears

Additional Notice

Oil Conservation Division-Hobbs District Office

Celero Energy II, LP Form C-108 Application Denton Devonian Pilot Waterflood Project Notice List

Stephens & Johnson Operating Company

P.O. Box 2249

Wichita Falls, Texas 76307

Roy G. Barton Sr. & Opal Barton Revocable Trust

Roy G. Barton Jr., Trustee 1919 N. Turner Street

Hobbs, New Mexico 88240

Trabajo Del Spear, LP

P.O. Box 1684

Midland, Texas 79702

Cimarex Energy Company

600 N. Marienfeld, Suite 600

Midland, Texas 79701

Chesapeake Energy Corporation

P.O. Box 54712

Oklahoma City, Oklahoma 73154

Donald Spears

Rt. 1, Box 504

66 Donald Lane

Lovington, New Mexico 88260

Harvard Petroleum Corporation

Box 936

Roswell, New Mexico 88202

J. T. Hanners

P.O. Box 1224

Lovington, New Mexico 88260

Herd Oil & Gas Company

P.O. Box 130

Midland, Texas 79702

Devon Energy Production Company

20 N. Broadway

Oklahoma City, Oklahoma 73102

Live Oak Mineral Partners

P.O. Box 341981

Austin, Texas 78734

Oil Conservation Division

1625 N. French Drive

Hobbs, New Mexico 88240

Form C-108

Celero Energy, II, LP

Denton Devonian Pilot Waterflood Project Sections 25 & 36, T-14 South, R-37 East, NMPM, Lea County, New Mexico

To: Hobbs News-Sun

Fax No. (575) 397-0610

E-Mail: business@hobbsnews.com

From: Celero Energy II, LP

Attn: Lisa Hunt

400 W. Illinois, Suite 1601 Midland, Texas 79701 (432) 686-1883 Ext. 157

Please run the following legal notice in your newspaper for 1 day. I will also need an Affidavit of Publication mailed to the address above. Thank You.

Celero Energy II, LP, 400 W. Illinois Avenue, Suite 1601, Midland Texas 79701 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking approval to convert the following-described wells to waterflood injection wells within a pilot waterflood project area comprising the S/2 SW/4 of Section 25 and the NW/4 and W/2 NE/4 of Section 36, both in Township 14 South, Range 37 East, Denton-Devonian Pool, Lea County, New Mexico:

W T Mann A No. 2 API No. 30-025-05204 660' FNL & 2310' FEL (Unit B)

Section 36, T-14S, R-37E

Injection Interval: 12,376'-12,900'

T. D. Pope "36" No. 10 API No. 30-025-39999 350' FNL & 990' FWL (Unit D)

Section 36, T-14S, R-37E

Injection Interval: 12,175'-12,720'

Produced water from the Denton-Devonian Pool will be injected into the wells at a maximum rate of 20,000 barrels of water per day. The initial surface injection pressure for each well is anticipated to be approximately 2,500 psi.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Lisa Hunt, Celero Energy II, LP at (432) 686-1883.



Bill Richardson

Governor

Jim Noel Cabinet Secretary

Karen W. Garcia Deputy Cabinet Secretary Mark Fesmire Division Director Oil Conservation Division



Administrative Order SWD-1257 December 16, 2010

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Division Rule 26.8B., Celero Energy II, LP seeks an administrative order to utilize its W.T. Mann "A" Well No. 2 (API 30-025-05204), located 660 feet from the North line and 2310 feet from the East line, Unit Letter B of Section 36, Township 14 South, Range 37 East, NMPM, Lea County, New Mexico, for produced water disposal purposes.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 26.8B. Satisfactory information has been provided that affected parties as defined in Rule 26.8B.(2) 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 Rule 26.8 will be met and the operator is in compliance with Division Rule 5.9.

IT IS THEREFORE ORDERED THAT:

The applicant, Celero Energy II, LP, is hereby authorized to utilize its W.T. Mann "A" Well No. 2 (API 30-025-05204), located 660 feet from the North line and 2310 feet from the East line, Unit Letter B of Section 36, Township 14 South, Range 37 East, NMPM, Lea County, New Mexico, for disposal of oil field produced water (UIC Class II only) through perforations in the Devonian formation from approximately 12725 feet to 12900 feet, and through lined tubing and a packer set onto the new 4-1/2 inch liner at the liner top of approximately 12300 feet.

If at any future date, it becomes impossible for the operator to tie-on the injection tubing to the 4-1/2 inch liner (PBR with seals), the operator shall install a tapered tubing with packer located no higher than 100 feet above the approved, perforated 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 wellhead injection pressure on the well shall be limited to no more than 2545 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 mechanical integrity 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 26.13 and 7.24.

Without limitation on the duties of the operator as provided in Division Rules 30 and 29, 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.

In accordance with Division Rule No 26.12.C., the disposal 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, mailed by the operator prior to the termination date, may grant an extension thereof for good cause. One year after disposal into the well has ceased, the authority to dispose will terminate ipso facto.

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.

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.

MARK E. FESMIRE, P.E.

Acting Director

MEF/wvjj

cc: Oil Conservation Division - Hobbs

Affidavit of Publication

State of New Mexico, County of Lea.

I, JUDY HANNA PUBLISHER

of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).

Beginning with the issue dated
March 08, 2011

and ending with the issue dated
March 08, 2011

1 PUBLISHER

Sworn and subscribed to before me

this 9th day of

March 2011

Notary Public

My commission expires February 09, 2013

(Seal)



This newspaper is duly qualified to publish legal notices or advertisments within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE MARCH 8, 2011

Celero Energy II, LP, 400 W. Illinois Avenue, Suite 1601, Midland Texas 79701 has filed a Form C-108 (Application for Authorization to inject) with the Oil Conservation Division seeking approval to convert the following-described wells to waterflood injection wells within a pilot waterflood project area comprising the S/2 SW/4 of Section 25 and the NW/4 and W/2 NE/4 of Section 38, both in Township 14 South, Range 37 East, Denton-Devonian Pool, Lea County, New Mexico:

W T Mann A No. 2

API No.. 30-025-05204 660 FNL 6.2310 FEL (Unit B) Section 36, T-14S, R-37E injection interval: 12,376-12,900 API No. 30-025-3999 350 FNL 8 990 FWL (Unit D) Section 36, T-14S, R-37E injection

Interval: 12,175'-12,720'

T. D. Pope "36" No. 10

Produced water from the Denton-Devonian Pool will be injected into the wells at a maximum rate of 20,000 barrels of water per day. The initial surface injection pressure for each well is anticipated to be approximately 2,500 psi.

Interested parties must file objections with the New Mexico Oit Conservation Division, 1220 S. St Francis Orive; Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Lisa Hunt, Celero Energy II, LP at (432) 686-1883.

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LISA HUNT CELERO ENERGY II, LP 400 W ILLINOIS STE 1601 MIDLAND, TX 79701