

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO.
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator		6. State Oil & Gas Lease No.
3. Address of Operator		7. Lease Name or Unit Agreement Name
4. Well Location Unit Letter _____: _____ feet from the _____ line and _____ feet from the _____ line Section _____ Township _____ Range _____ NMPM _____ County _____		8. Well Number
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number
		10. Pool name or Wildcat

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

TA status may be granted after a successful MIT test is performed. Contact the OCD to schedule the test so it may be witnessed.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE alicia fulton TITLE _____ DATE _____

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 8/8/23
 Conditions of Approval (if any): _____



WBD Current

Well Name: EMPIRE ABO UNIT D #033

Reference Datum: KB

API/Surface Loc 3001501579	Surface Legal Location SEC 27, T17S, R28E	Field Name Empire	State/Province New Mexico	Well Purpose Production
Spud Date 6/4/1960 12:30	Original KB Elevation (ft) 3,693.0	Ground Elevation (ft) 3,678.5	KB-Ground Distance (ft) 14.5	
PBTD (All) (ftKB) Original Hole - 6,155		Total Depth All (TVD) (ftKB)		

Production, EAU D #33 - Original Hole, 7/26/2023 8:10:17 AM		Wellbore Sections					
MD (ftKB)	Vertical schematic (actual)	Section Description Surface		Size (in) 11	Act Top (ftKB) 14.5	Act Btm (ftKB) 754.0	Start Date 6/4/1960
		Section Description Prod 1		Size (in) 7 7/8	Act Top (ftKB) 754.0	Act Btm (ftKB) 6,189.0	Start Date 6/5/1960
Casing Strings							
		Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)	
		Surface	8 5/8	24.00	K-55	753.00	
		Prod 1	4 1/2	9.50	J-55	6,189.00	
Cement Stages							
		String Prod 1, 6,189.00ftKB, 4 1/2			Top Depth (ftKB) 240.00	Bottom Depth (ftKB) 6,187.00	
		String Surface, 753.00ftKB, 8 5/8			Top Depth (ftKB) 14.50	Bottom Depth (ftKB) 754.00	
		String Prod 1, 6,189.00ftKB, 4 1/2			Top Depth (ftKB)	Bottom Depth (ftKB)	
		String Prod 1, 6,189.00ftKB, 4 1/2			Top Depth (ftKB) 6,068.00	Bottom Depth (ftKB) 6,080.00	
Tubing Strings							
		Tubing Description Tubing - Production	Run Date 3/10/2017	String Length (ft) 6,015.94	Set Depth (ftKB) 6,030.4		
		Item Des	Jts	Make/Manufacturer	Model	OD (in)	Wt (lb/ft) Grade Len (ft)
		Tubing	184		T&C Upset	2 3/8	4.80 J-55 5,819.31
		Anchor/catcher	1		Baker	4 1/2	13.50 N-80 2.75
		Tubing	5		T&C Upset	2 3/8	4.80 J-55 160.28
		Tubing	1	EnduraAlloy	T&C Upset	2 3/8	4.80 J-55 32.50
		Seat Nipple	1			2 3/8	5.10 N-80 1.10
Rod Strings							
		Rod Description Rod	Run Date 3/10/2017	String Length (ft) 5,987.0	Set Depth (ftKB) 5,989.0		
		Item Des	Jts	Make/Mfg.	Model	OD (in)	Wt (lb/ft) Grade Len (ft)
		Polished Rod	1		Sprayloy	1 1/2	6.10 PRS 22.00
		Fiberglass Pony Rod	1		Fiberglass	1	0.82 FG 2.00
		Fiberglass Pony Rod	1		Fiberglass	1	0.82 FG 6.00
		Fiberglass Pony Rod	1		Fiberglass	1	0.82 FG 9.00
		Fiberglass Sucker Rod	82		Fiberglass	1	0.82 FG 3,075.00
		Sucker Rod	86		S67 W/SM CPLG/SLIM	7/8	2.15 C 2,150.00
		Sinker Bar	28		C-Bars	1 1/2	4.17 C 700.00
		Shear Coupling	1		Shear Tool	7/8	2.88 N/A 1.00
		Lift Sub	1		Lift Sub	7/8	2.88 KD 1.00
		Rod Insert Pump	1		Rod Pump	1 1/4	0.00 N/A 20.00
		Strainer Nipple	1		Strainer	1	0.00 N/A 1.00
Other In Hole							
		Description Bridge Plug - Permanent	OD (in) 4 1/2	Top (ftKB) 6,080	Btm (ftKB) 6,085	Run Date 3/14/2017	
Perforations							
		Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft) Entered Shot Total
		6/5/1960	Cased Hole	5,896	6,060	No	2.0
		6/5/1960	Cased Hole	6,106	6,136	No	2.0
Plug Back Total Depths							
		Date 7/31/2009	Type Cement Plug	Depth (ftKB) 6,155		Depth (TVD) (ftKB)	
Comments							
		Comment PERMIAN PERFORMANCE METRICS: A					
		Comment AGSP:-3693.01					
		Comment AGSP:-3693.01					
		Comment WELL SERVICING 07/31/2009 Equity Int = 37.83					



Reference Datum: KB

Production, EAU D #33 - Original Hole, 7/26/2023 8:10:17 AM		Comments								
MD (ftKB) Vertical schematic (actual)		Comment PLUG+ABANDON 01/23/2009 Equity Int = 37.83								
		Comment AFE CREATED TO P&A BUT DIDN'T..CHECK INTO THIS...								
		Comment TOP OF ABO: 5581' MD TOP OF ABO REEF: 5703' MD								
		Once again, another well with GR and Neutron with counts/second. The upper Abo looks tight.								
		Based on a "low" neutron count and GR being around 30 units or lower I would like to recommend that we try these four intervals in the upper part of the Abo Reef:								
5757' - 5761' MD 5780' - 5789' MD 5798' - 5800' MD 5805' - 5808' MD		Comment Well was spud on 6/4/1960. 8-5/8" casing was set @ 754' and cemented to surface. 4-1/2" casing was set @ 6187' w/850 sxs cement. TOC @ 240'. Tested casing to 4000# for 30 minutes. Tested good. Completed well 6/19/1960 in the ABO from 6106' - 6136' (2 SPF) and acidized w/5000 gallons 15% acid. On 5/24/1990, set CIBP @ 6080'. Tested casing to 500# for 15 minutes. Tested good. On 7/31/2009, perforated ABO from 5896' - 902', 5949' - 55', 5979' - 82', 6000' - 06', 6026' - 30', 6047' - 50', 6056' - 59' (2 SPF) and acidized w/4000 gallons 15% HCl in 5 stages. All intervals on vacuum after treating. Run production equipment and returned well to production on 9/16/2009. Add to deferred list, last test in 2014 showed 5 BOPD. Next step after this set of perfs has been depleted: set CIBP @ 5,850', perf: 5,757-61'; 5,780-89'; 5,798-800'; 5,805-08', acidize w/ 750 gallons of 15%								
Comment ONLY 1 LEASE HAS CESSATION/SHUT IN LANGUAGE, BUT IT IS ON A BY-LEASE BASIS, NOT BY WELL (IN THIS CASE, BY UNIT); SHUT IN ONLY APPLIES TO GAS WELLS. Depth rights limited to ABO formaiton only		Comment Failure- Bad Pump								
Schematic Annotations		Start Date								
Depth (ftKB)		Annotation								
Stimulation Jobs		<typ1> on <dtmstart>								
Min Top...	Max Bt...	R Treat...	P Treat...	P Treat...	Vol Clea...	Vol Clea...	Vol Slurr...	Vol Slurr...	Mass Pr...	Mass Pr...



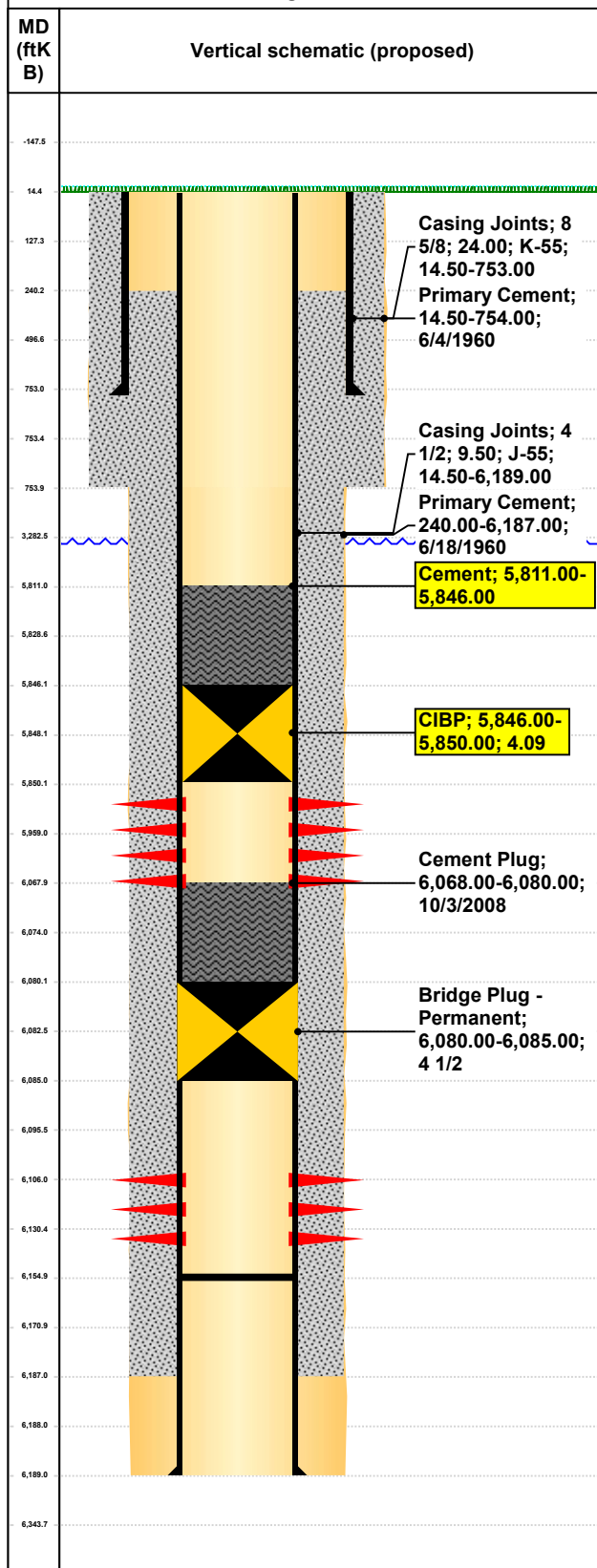
WBD Proposed - TA

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PBTD (All) (ftKB) Original Hole - 6,155		Total Depth All (TVD) (ftKB)		

Production, EAU D #33 - Original Hole, 7/26/2023 8:34:10 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date
Surface	11	14.5	754.0	6/4/1960
Prod 1	7 7/8	754.0	6,189.0	6/5/1960

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8 5/8	24.00	K-55	753.00
Prod 1	4 1/2	9.50	J-55	6,189.00

Cement Stages

Des	String	Top (ftKB)	Btm (ftKB)	Start Date
Primary Cement	Surface, 753.00ftKB, 8 5/8	14.50	754.00	6/4/1960
Primary Cement	Prod 1, 6,189.00ftKB, 4 1/2	240.00	6,187.00	6/18/1960
Abandonment Plug	Prod 1, 6,189.00ftKB, 4 1/2			5/1/1990
Cement Plug	Prod 1, 6,189.00ftKB, 4 1/2	6,068.00	6,080.00	10/3/2008
Cement Plug	Prod 1, 6,189.00ftKB, 4 1/2	5,811.00	5,846.00	

Tubing Strings

Tubing Description		Run Date		String Length (ft)		Set Depth (ftKB)	
Item Des	Jts	Make/Manufacturer	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)

Rod Strings

Rod Strings							
Rod Description	Run Date		String Length (ft)	Set Depth (ftKB)			
Item Des	Jts	Make/Mfg.	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)

Other In Hole

Des	Icon	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date
CIBP		4.09	5,846	5,850	7/26/2023
Bridge Plug - Permanent		4 1/2	6,080	6,085	3/14/2017

Perforations

Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft)	Entered Shot Total
6/5/1960	Cased Hole	5,896	6,060	No	2.0	
6/5/1960	Cased Hole	6,106	6,136	No	2.0	

Plug Back Total Depths

Date	Type	Depth (ftKB)	Depth (TVD) (ftKB)
7/31/2009	Cement Plug	6,155	

Schematic Annotations

Start Date	Depth (ftKB)	Annotation
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District I
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Santa Fe, NM 87505

CONDITIONS

Action 246734

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 246734
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	8/8/2023