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District IV
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-23694	² Pool Code 62160	³ Pool Name VACUUM; GLORIETA
⁴ Property Code 312507	⁵ Property Name BRIDGES STATE	⁶ Well Number 153
⁷ OGRID No. 298299	⁸ Operator Name CROSS TIMBERS ENERGY, LLC	⁹ Elevation 4009' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	26	17S	34E		610	S	2130	W	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	26	17S	34E		610	S	2130	W	LEA

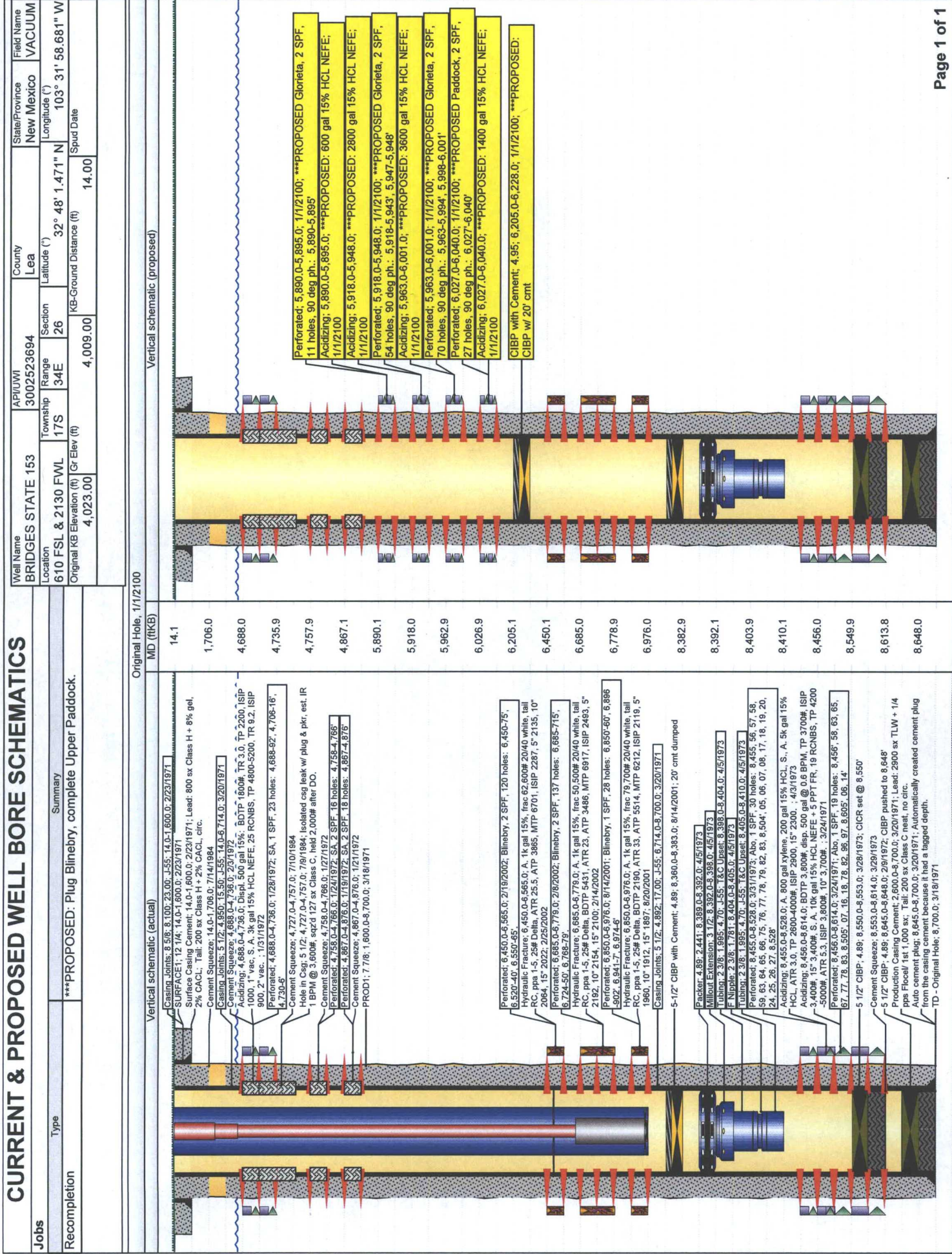
¹² Dedicated Acres 40	¹³ Joint or Infill I	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

40 AC	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Robbie A Grigg</u> Date: <u>5/1/16</u> Printed Name: <u>Robbie A Grigg</u> E-mail Address: <u>rgrigg@mspartner.com</u>	
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
	Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	

PM

CURRENT & PROPOSED WELL BORE SCHEMATICS



Well Name BRIDGES STATE 153										County Lea	State/Province New Mexico	Field Name VACUUM
Location 610 FSL & 2130 FWL 17S										Latitude (°) 26	Longitude (°) 103° 31' 58.681" W	
AP/UVI 3002523694										Range 34E	Gr Elev (ft) 4,023.00	Spud Date 14.00
Original KB Elevation (ft) 4,023.00										KB-Ground Distance (ft) 4,009.00		
Tubing Strings												
Tubing Description Tubing - Production		Set Depth... 7016	Run Date 6/21/2003	Comment ***TGB DETAILS UNKNOWN from 6/21/2002 morning report, no details in well file. Tbg detail interpolated from previous job pull tally (2/7/2002) and current rod tally.								
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)				
Tubing	2 7/8	2.441	6.50	L-80	200	6506	-14	6492				
5-1/2" x 2-7/8" Tbg Anchor Catcher	4 1/4	2.441			1	3	6492	6495				
Tubing	2 7/8	2.441	6.50	L-80	14	452.3	6495	6948				
Tubing - SS	2 7/8	2.160	6.50	J-55	1	10.2	6948	6958				
Tubing - IPC	2 7/8			J-55	1	18	6958	6976				
Seat Nipple	2 7/8				1	1.1	6976	6977				
Perforated Joint	2 7/8	2.441	6.50		1	6.3	6977	6983				
Bull Plug Mud Anchor Jt	2 7/8	2.441	6.50		1	32.8	6983	7016				
Perforations												
Top (ftKB)	Btm (ftKB)	Date	Zone	Com								
4,688.0	4,736.0	1/28/1972	SAN ANDRES, Original Hole	SA, 1 SPF, 23 holes: 4,688-92', 4,706-16', 4,730-6'								
4,758.0	4,766.0	1/24/1972	SAN ANDRES, Original Hole	SA, 2 SPF, 16 holes: 4,758-4,766'								
4,867.0	4,876.0	1/19/1972	SAN ANDRES, Original Hole	SA, 2 SPF, 18 holes: 4,867-4,876'								
5,890.0	5,895.0	1/1/2100	GLORIETA, Original Hole	***PROPOSED Glorieta, 2 SPF, 11 holes, 90 deg ph.: 5,890-5,895'								
5,918.0	5,948.0	1/1/2100	GLORIETA, Original Hole	***PROPOSED Glorieta, 2 SPF, 54 holes, 90 deg ph.: 5,918-5,943', 5,947-5,948'								
5,963.0	6,001.0	1/1/2100	GLORIETA, Original Hole	***PROPOSED Glorieta, 2 SPF, 70 holes, 90 deg ph.: 5,963-5,994', 5,998-6,001'								
6,027.0	6,040.0	1/1/2100	GLORIETA, Original Hole	***PROPOSED Paddock, 2 SPF, 27 holes, 90 deg ph.: 6,027-6,040'								
6,450.0	6,565.0	2/19/2002	BLINEBRY, Original Hole	Blinebry, 2 SPF, 120 holes: 6,450-75', 6,520'-40', 6,550'-65'								
6,685.0	6,779.0	2/8/2002	BLINEBRY, Original Hole	Blinebry, 2 SPF, 137 holes: 6,685-715', 6,724'-50', 6,768-79'								
6,850.0	6,976.0	8/14/2001	BLINEBRY, Original Hole	Blinebry, 1 SPF, 28 holes: 6,850-60', 6,896-902', 6,941'-7', 6,974-6'								
8,455.0	8,528.0	3/31/1973	ABO, Original Hole	Abo, 1 SPF, 30 holes: 8,455-56, 57, 58, 59, 63, 64, 65, 66, 75, 76, 77, 78, 79, 82, 83, 8,504', 05, 06, 07, 08, 17, 18, 19, 20, 24, 25, 26, 27, 8,528'								

MD (ftKB)	Vertical schematic (actual)	Original Hole, 4/29/2016 1:44:15 PM
-13.8		
38.1		Polished Rod; 1 1/2 in; SM; 24 ft
1,600.1		Sucker Rod; 1 in; S88; 10 ft; 6', 4' subs
2,023.0		Sucker Rod; 1 in; S88; 1975 ft; date 2001w/T coupling
4,098.1		Sucker Rod; 7/8 in; S88; 2075 ft; date 2001w/T coupling
4,727.0		Tubing; 2 7/8 in; 6.50 lb/ft; L-80; 6506 ft
4,756.9		Hole in Csg; 7/9/1984; Isolated csg leak w/ plug & pkr, est. IR 1 BPM @ 3,600#, sqz'd 127 sx Class C, held 2,000# after DO.
4,766.1		Sucker Rod; 3/4 in; S88; 2550 ft; date 2001w/T coupling
4,876.0		5-1/2" x 2-7/8" Tbg Anchor Catcher; 4 1/4 in; 3 ft
6,492.5		Tubing; 2 7/8 in; 6.50 lb/ft; L-80; 452.3 ft
6,565.0		Sinker Bar; 1 1/2 in; K; 300 ft
6,685.0		Stabilizer Rod; 7/8 in; D; 4 ft; 3/4 pins
6,778.9		RHBO Tool; 3/4 in; 1 ft
6,947.5		Tubing - SS; 2 7/8 in; 6.50 lb/ft; J-55; 10.2 ft
6,952.1		Rod Insert Pump; 1 1/4 in; 24 ft; 8 GA w/4 phgr
6,957.7		Tubing - IPC; 2 7/8 in; J-55; 18 ft
6,976.0		Seat Nipple; 2 7/8 in; 1.1 in
6,983.3		Perforated Joint; 2 7/8 in; 6.50 lb/ft; 6.3 ft
8,359.9		Bull Plug Mud Anchor Jt; 2 7/8 in; 6.50 lb/ft; 32.8 ft
8,389.1		5-1/2" CIBP with Cement; 8/14/2001; 20' cmt dumped
8,398.0		Packer; 4.89 in; 3 ft
8,404.9		Millout Extension; 3 1/2 in; 6 ft
8,455.1		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 6 ft
8,527.9		LF Nipple; 2 3/8 in; 1.1 in
8,553.1		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 5 ft
8,645.0		5 1/2" CIBP; 3/28/1973; CIBP set @ 8,550'
8,700.1		5 1/2" CIBP; 2/9/1972; CIBP pushed to 8,648'

SURFACE1; 12 1/4

Surface Casing Cement

Cement Squeeze

Cement Squeeze

Acidizing

Perforated; 1/28/1972; SA, 1 SPF, 23 holes: 4,688-92', 4,706-16', 4,730-6'

Cement Squeeze

Perforated; 1/24/1972; SA, 2 SPF, 16 holes: 4,758-4,766'

Cement Squeeze

Perforated; 1/19/1972; SA, 2 SPF, 18 holes: 4,867-4,876'

PROD1; 7 7/8

Perforated; 2/19/2002; Blinebry, 2 SPF, 120 holes: 6,450-75', 6,520-40', 6,550-65'

Hydraulic Fracture

Hydraulic Fracture

Perforated; 2/8/2002; Blinebry, 2 SPF, 137 holes: 6,685-715', 6,724-50', 6,768-79'

Perforated; 8/14/2001; Blinebry, 1 SPF, 28 holes: 6,850-60', 6,896-902', 6,941-7', 6,974-6'

Hydraulic Fracture

Perforated; 3/31/1973; Abo, 1 SPF, 30 holes: 8,455, 56, 57, 58, 59, 63, 64, 65, 66, 75, 76, 77, 78, 79, 82, 83, 8,504', 05, 06, 07, 08, 17, 18, 19, 20, 24, 25, 26, 27, 8,528'

Acidizing

Perforated; 3/24/1971; Abo, 1 SPF, 19 holes: 8,456', 58, 63, 65, 67, 77, 78, 83, 8,505', 07, 16, 18, 78, 82, 96, 97, 8,605', 06, 14'

Acidizing

Cement Squeeze

Auto cement plug

TD - Original Hole

Production Casing Cement

Production; 5 1/2', 15.50', J-55

Page 1 of 3

Well Name BRIDGES STATE 153										County Lea	State/Province New Mexico	Field Name VACUUM								
Location 610 FSL & 2130 FWL										Latitude (°) 32° 48' 1.471" N	Longitude (°) 103° 31' 58.681" W									
AP/IJWI 3002523694										Range 34E	Section 26									
Original KB Elevation (ft) Gr Elev (ft)										KB-Ground Distance (ft)	Spud Date									
4,023.00										4,009.00	14.00									
Perforations																				
Top (ftKB)	Blm (ftKB)	Date	Zone	Com																
8,456.0	8,614.0	3/24/1971	ABO, Original Hole	ABO, 1 SPF, 19 holes: 8,456', 58, 63, 65, 67, 77, 78, 83, 8,505', 07, 16, 18, 78, 82, 96, 97, 8,605', 06, 14'																
Original Cement PBTD																				
Tagged Depth (ftKB)	Tag Method																			
8,645.0	Drill Bit																			
Jobs																				
Type	Original & Initial Completion	Start Date	Summary																	
Drilling	Original & Initial Completion	2/22/1971	D&C Abo producer, while drifg gas flow @ 3,300', stuck @ 5,210', fish 5 days, log DA SWN, LL, perf & A. Abo 10k gal 15%, S. 34 BLO, 100 BAW/15', LH OC 75%, 200' FIH, sl. sh gas, SION, S. 22 BLO, 5 BAW/12', LH OC 99%, sl sh gas, 800' FIH. POP, IP 25 BNO, 1BLW/24'.																	
Recompletion		1/18/1972	TEST SA: Set CIBP @ 5,010', spot 500 gal 15% HCL, perf SA, displ. A., S. 3 D, dry in first 2', tr oil, no gas, sqz SA perfs, PUH, spot 500 gal 15% HCL, perf SA, S. 4 D, 150' FIH, 33 BW, 4 BO, SO 5% oil, sqz SA, MUH, spot acid, perf SA, displ. acid, S. 2 D, dry 1', A. 3k gal 15% HCL NEFE, S. 3 D, 133 BW, 8 BO, SO 100% wtr, FIH 200', sqz SA, DO all cmt, tst csg 1500#, push CIBP to btm, RTP Abo (no stim Abo).																	
Convert To Injection		3/28/1973	Sqz Abo (8,578-8,614'), cmt leaked around ret., DO, OAP Abo, A. 800 gal xylene, 200 gal 15%, S. 49 BLW/7.5', LR SO 80% oil, A. 5k gal 15%, replc WH, install inj. equip., wait 3.5 mos. for inj. start.																	
Remedial Cementing		1/26/1974	Inj profile indicated tbg leak and wtr exiting SA (sqz'd) perfs. re-sqz SA perfs 100 sx Class C neat, TP 4,500#, rev. 10 sx, leave psi 2,000, DO, tst csg 1,500#/30", held, RTI.																	
Remedial Cementing		7/7/1984	Isolate csg leak 4,727'-4,757', est. IR 1 BPM @ 3,600#, sqz cmt, DO, tst csg 2,000#, SION, no psi BU, 150# on BH, est. IR dwn 5-1/2"x8-5/8" ann. 2 BPM @ 1,000#, RA tracer indicates fluid out @ 1,706', BH sqz cmt, SION, ann. held 1,000#/30", RTI.																	
Repair Tbg Failure		9/9/1994	Scan tbg out, first 131 jts 50%+ wall loss, LD all tbg (2-3/8" buttress), rplc all tbg w/ 2-3/8" 8rd L80, RTI.																	
Repair Packer		10/10/1994	Rplc SA (appeared washed & peeled), hydrst tbg, all held, install "KTH" attachmnet to tbg flange, RTI.																	
Repair Packer		4/23/1997	Rplc SA, hydrst all tbg, all held, RTI.																	
Repair Tbg Failure		4/24/2001	Tbg leak 78 JF. pkr.																	

Original Hole, 4/29/2016 1:44:15 PM																											
Vertical schematic (actual)																											
-13.8	38.1	1,600.1	2,023.0	4,098.1	4,727.0	4,756.9	4,766.1	4,876.0	6,492.5	6,565.0	6,685.0	6,778.9	6,847.5	6,952.1	6,957.7	6,976.0	6,983.3	8,359.9	8,389.1	8,398.0	8,404.9	8,455.1	8,527.9	8,553.1	8,645.0	8,700.1	
Polished Rod; 1 1/2 in; SM; 24 ft																											
Sucker Rod; 1 in; S88; 10 ft; 6', 4' subs																											
Sucker Rod; 1 in; S88; 1975 ft; date 2001/wrt coupling																											
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Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 6 ft																											
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Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 5 ft																											
5 1/2" CIBP; 3/28/1973; CIBP set @ 8,550'																											
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BRIDGES STATE 153				Lea		New Mexico		VACUUM	
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Original KB Elevation (ft)				Gr Elev (ft)		Spud Date			
4,023.00				4,009.00		14.00			
API/UVI				Range		Section			
3002523694				34E		26			
Township				17S		KB-Ground Distance (ft)			
Jobs				Type		Start Date		Summary	
Recompletion						8/13/2001		Set CIBP @ 8,380', perf & A. Blinebry, frac Blinebry dwn 3-1/2" WS, 25# Delta, BDTP 2190, ATR 33 BPM, ATP 5514, MTP 6212, 79,700# 20/40 white, tail RC, ISIP 2,120#, 5" 1960, 10" 1912, 15" 1897, F. 25 BW, SION, TP 700, BD, started ND, csg flw (tbg plugged w/ sd), att. kill dwn csg, psi up, F. 90 BW, bail fill 7,019-7,233', POP, (86 taper S-88 rods new).	
Open Additional Pay - OAP						2/6/2002		Perf & frac Blinebry 50500# 20/40 white, tail RC, ATR 23, F. 40 BW, 1500 to 350#, SION, TP 400#, F. 30 BW, dead, S. IFL 2200' FS, MUH, perf & frac Blinebry, 62,500# 20/40 white, tail RC, ATR 25.5, F. 22 BW to 350# TP, SION, TP 200, F. 20 BW, S. 45 BW, FFL 3600', SION TP 200#, WO sd 6,378'-6,402', PU bit, DO 6,400'-6,621' (RBP), POOH RBP, CO sd (causht circ w 250 BW) 6,738'-6,825', POOH RBP @ 6,825', RTP all Blinebry, same rods & tbg as previous.	
Acidize						6/13/2002		TAC slk, worked loose, bail bridge @ 6,783', drag to 6,813', bail 6,813-6,863', well flwg, bail 6,928'-6,938', tag 7,104', A. Blinebry 3k gal acid, chg (15) 1" cplgs, RTP.	
Pump Exchange						3/24/2003		HO tbg/rods, pmp chg	
Lift Optimization						5/3/2010		Reduce SL 120" to 104"	
Replace Equipment						5/11/2012		Hvy prfm, HO tbg/rods, pmp chg, rplc all cplgs w/ FHT.	
Pump Exchange						8/11/2014		Pmp chg	
Recompletion								***PROPOSED: Plug Blinebry, complete Upper Paddock.	