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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLI IST THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE **Application Acronyms:** [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [PLC-Pool/Lease Commingling] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPi-Injection Pressure Increase] [EOR-Qualified Enhanced OII Recovery Certification] [PPR-Positive Production Response] **TYPE OF APPLICATION** - Check Those Which Apply for [A] [1] [A] Location - Spacing Unit - Simultaneous Dedication NSL 🗌 NSP 🔲 SD Check One Only for [B] or [C] Commingling - Storage - Measurement $[\mathbf{B}]$ DHC \square CTB \square PLC **PC** | OLS | OLM [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD PPR EOR PPR [D] Other: Specify NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [2] [A] Working, Royalty or Overriding Royalty Interest Owners [B] Offset Operators, Leaseholders or Surface Owner [C]Application is One Which Requires Published Legal Notice [D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office [E] For all of the above, Proof of Notification or Publication is Attached, and/or. [F] Waivers are Attached [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE. CERTIFICATION: I hereby certify that the information submitted with this application for administrative [4] approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

e-mail Address

LCX ENERGY LLC 110 N. Marienfeld St., Suite 200 Midland, TX 79701 (432) 687-1575 July 13, 2005

_	gy, Minerals and Natural Resources Department	2005
	onservation Division South St. Francis Drive	JUL
	Fe, New Mexico 87505	L 14
Attn:	Michael Stogner	Am
Re:	Request for exception to unorthodox location/ penetration point	9
	Fed-Com 1625 # 271 Horizontal well Section 27, T-16-S, R-25-E, SL 200' FNL & 700' FWL BHL 660' FSL & 660' FWL Eddy Co., New Mexico	8

Dear Mr. Stogner;

Please find the attached permit, plats and directional plan for the above mentioned well.

This well is permitted in the Cotton Wood ABO East Gas field which requires a 660' distance from any lease line. This well had to be staked at 200' from the north line because of several factors. The Federal Law Enforcement Training Center firing range lies to the south of this wellsite and had recently started to expand its north boundary into section 27. On one of the attached plats (A) is shown the Agave pipeline and a water line that straddles the new well location. The FLETC wanted to put a fence across the entire section running parallel with the water line. This would have put the original location within the FLETC firing range. We had to move the location to get it out of the FLETC firing range and also restart the permitting process. In the mean time LCX made a deal with FLETC where we would install the fence across section 27 and part of 28 if they would move it south and not require all companies involved with the drilling operation to go through background checks as required by Homeland Security. They were agreeable and the fence was built to their specs.

LCX Energy is seeking an exception to 19.15.3.111 for unorthodox location where the penetration point is less than the required stand off distance of 660'. The top of the ABO zone runs around 3900'. The pay zone within the ABO runs at about 4950' - 5000'. This is our target to be horizontal in. This will be drilled and a $4 \frac{1}{2}$ " liner run and cemented through it. We would perforate the pay zone so that the top perforation would be at least 660' from any lease line. As the horizontal cross section plan shows we will be at least 250' horizontal by the time the wellbore angle is built out to 90°. This would put the wellbore at this point 450' from the north lease line. The measured depth for the top performed would be around 5300'+.

Please grant this exception for the penetration point. Please call if you need any other information concerning this matter. Larry Gillette, 432-848-0218.

Thank you,

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Larry Gillette

Operations Manager LCX Energy LLC

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Signature Signature	original location					
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TO-ENDEAVOR ENERGY

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Form 3160-3 (April 2004) E-05-444 UNITED STA	Artes	ia, NM 882	10	FOR OM Expir	M APPROVE B No. 1004-013 cs March 31, 2	D 7 2007		
0592 DEPARTMENT OF TH BUREAU OF LAND M	ie inter Managen	4ent		5. Lease Serial N M - 6. If Indian, Allo	<u>/0/0</u>		/	
APPLICATION FOR PERMIT		L OR REENTER		7 If Unit or CA A	arentant M		INo.	
la. Type of work: 🖌 DRILL.	ENTER			8. Lease Name a				
Ib. Type of Well: Oil Well Gas Well Other][Single Zone Multi	ple Zone	1625 Fed C 9API Well No.			<u> </u>	
2. Name of Operator Percace LLC				30-0		- 3	4	<u>l</u>
3s. Address 6 Desta Drive, Suite 6800, Midland, TX 7970	s 36. Pho (4	ne No. (include area code) 32) 682 8553 RECE	IVED	10. Field and Pool, Wildcat Co		•	bo E	
4. Location of Well (Report location clearly and in accordance with 660 FNL & 660 FWL unit lette	e D	MAT U	5 2005	11. Sec., T. R. M. o	r Blk.and Su	rvey or .	Area	
At surface 000 FNL & 000 FNL that refer At proposed prod. zone Bottom Hole Location : 660 FS	l & 660 FV	VL unit Lette	ATES!	Sec 27, T-16				
14. Distance in miles and direction from nearest lown or post office	1	OVAL BY STATE		12. County or Paris Eddy	b	13, \$0	nte NM	
¹ 15. Distance from proposed [*] location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660 ft		o, of acres in lease	17, Spacin 320 au	g Unit dedicated to th	is well			
 Is Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, R. N/A 		aposed Depth	BIA Boad Na, on file					
	5100			00094				
 Elevations (Show whether DF, KDH, RT, GL, ctc.) 3499 GL. 	22. Ap	proximate date work will star 98/01/2005	t*	23 Estimated durat 1 month	iôn			_
		Attachments						_
 The following, completed in accordance with the requirements of On Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Office). 		4. Bond to cover th Item 20 above). Ite 5. Operator certifica	e operation ation	s torm: is unless covered by a rmation and/or plans	-		•	
25. Slansture	N	ame (Printed/Typed)			Date		<u> </u>	
Title Regulatory Technician	_ <u></u>	lisa Huat			02/18	V2005		-
Approved by (Signature) Tony J. Herrell	N	ame (Prinled/Typed)	J Her		Date M	AY O	3	2
FIELD MANAGER		CARLSBA		ELD OFFI	CE			-
Application approval does not warrant or certify that the applicant h conduct operations thereon. Conditions of approval, if any, are attached.		equitable title to those rights	in the subje	VAL FOR	entitie the app 1 YE	AR	l	-
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*(Instructions on page 2)								A

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TO-ENDEAVOR ENERGY

Page 004

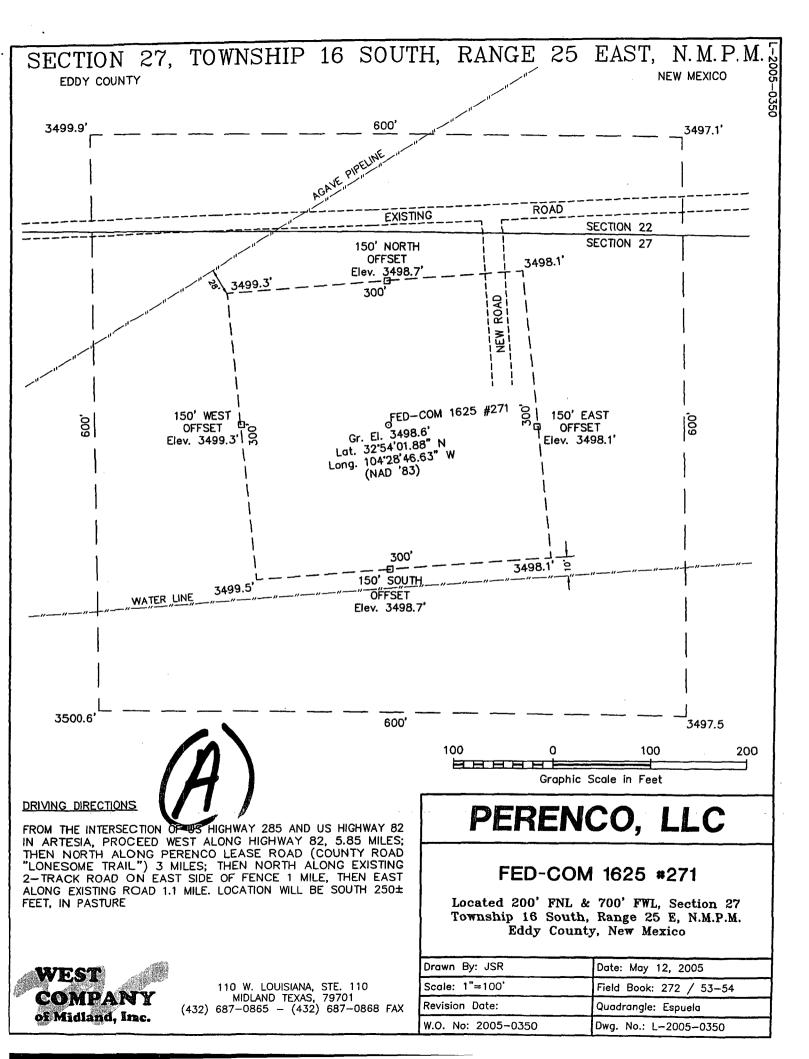
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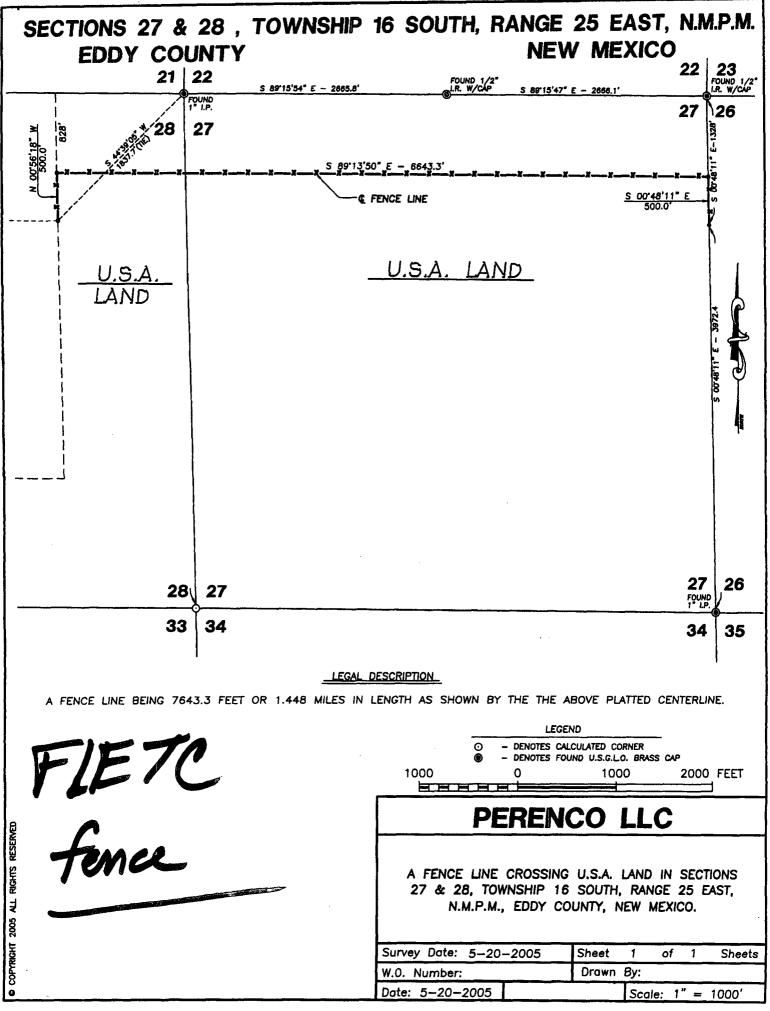
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Received 2005-Jul-06 03:45pm





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DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV 2040 S Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

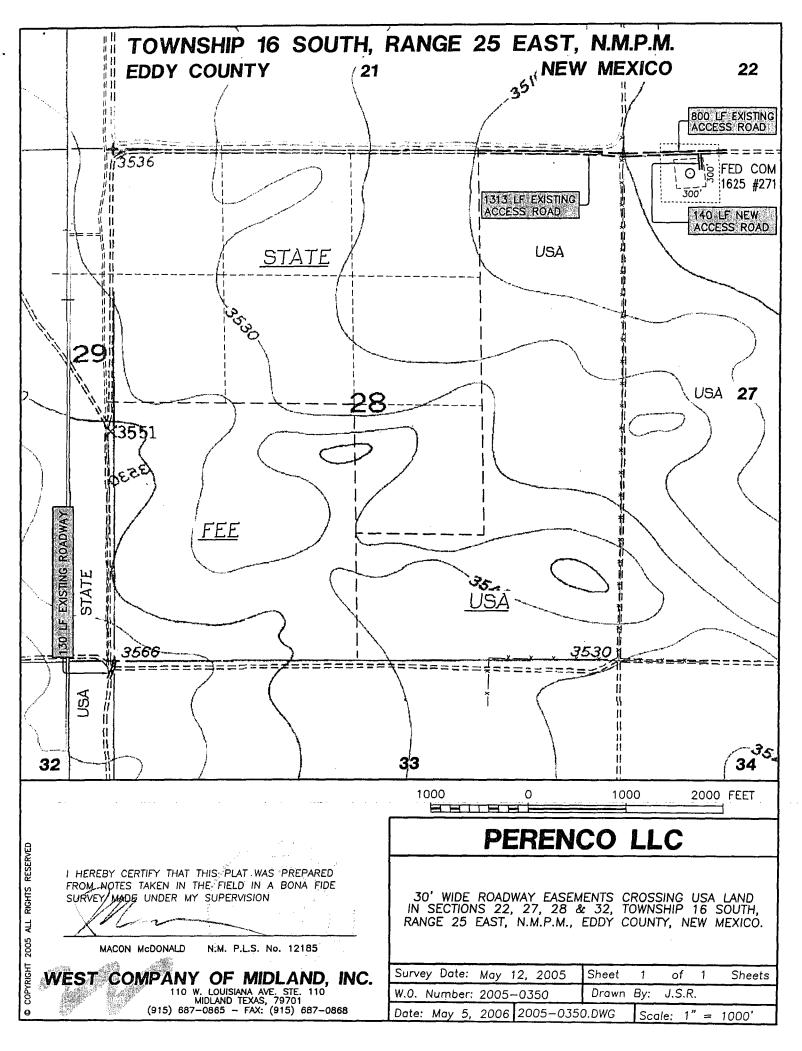
Form C-102 Revised August 15, 2000 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION 2040 S Pacheco Santa Fe, NM 87505

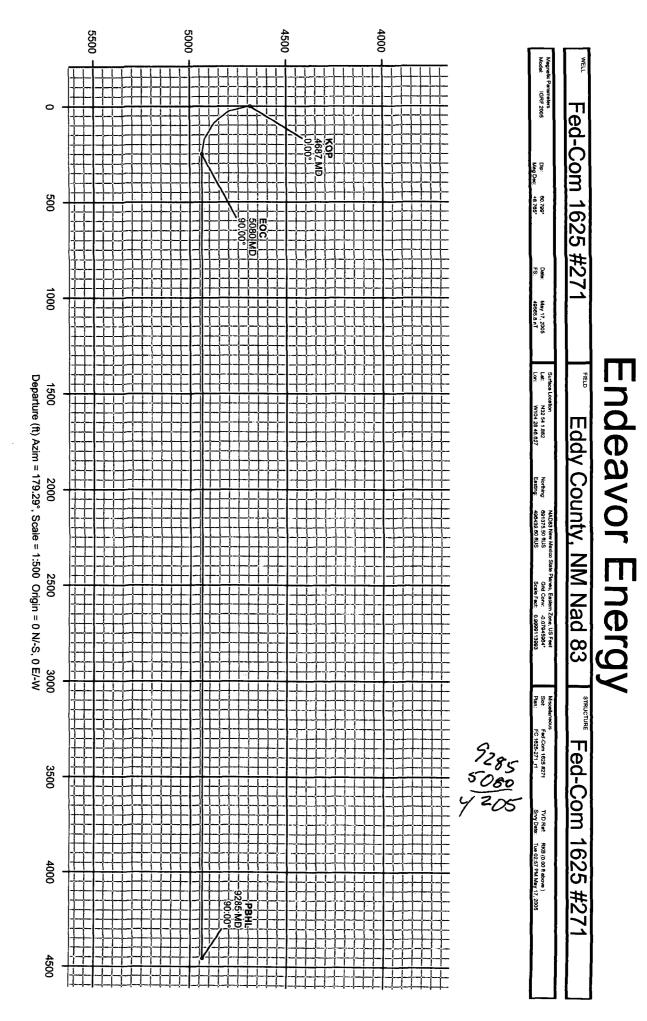
□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code Pool Name **API** Number **Property** Name Well Number **Property** Code FED-COM 1625 271 OGRID No. **Operator** Name Elevation PERENCO, LLC 3499 Surface Location Feet from the UL or lot No. Section Township Range Lot Idn North/South line Feet from the East/West line County 25 E 200 NORTH 700 WEST D 27 16 S EDDY Bottom Hole Location If Different From Surface Feet from the North/South line UL or lot No. Lot Idn East/West line Range Feet from the Section Township County SOUTH WEST Μ 27 16 S 25 E 660 660 EDDY Consolidation Code Dedicated Acres Joint or Infill Order No. 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 3499.9' 3497.1 SL <u>8</u> Plane Coordinate ,000 100 OPERATOR CERTIFICATION 700' 496,439.6 = = 691,375.5 I hereby certify the the information 600 contained herein is true and complete to the _____ 겉 3500.6' 3497.5 best of my knowledge and belief. **IPOINT OF ENTRY** AGAVE INTO FORMATION (660' FNL, 660' FWL) Signature Printed Name Title Date SURVEYOR CERTIFICATION m 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 upervison and that the same is true and orrect to the best of my belief. May 6, 2005 Date Surveyed JSR Signature & Seal of Professional Surveyor $\begin{array}{l} \underline{Pianel \ Coordinate} \\ X = 496,483.5 \\ Y = 686,920.7 \end{array}$ NOTE: -660' ΈHL Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico E Zone, North W.O. Num. 2005-0350 660 Certificate No. MACON McDONALD 12185 American Datum of 1983. Distances shown hereon are

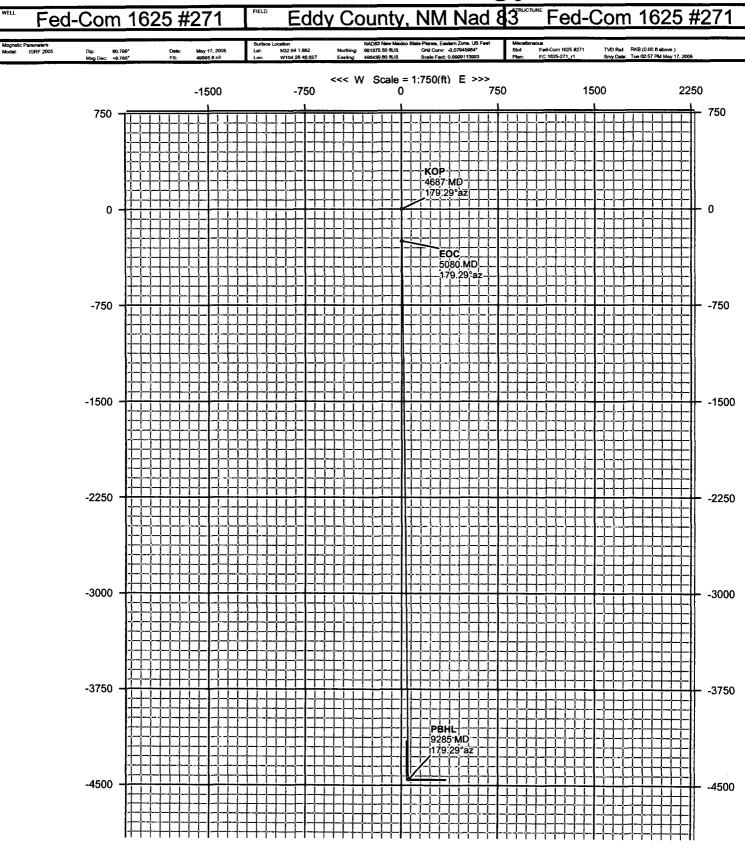
mean horizontal surface values.







Endeavor Energy







Proposal



Report Date:	May 17, 2005	Survey / DLS Computation Method:	Minimum Curvature / Lubinski
Client:	Endeavor Energy	Vertical Section Azimuth:	179.290°
Field:	Eddy County, NM Nad 83	Vertical Section Origin:	N 0.000 ft, E 0.000 ft
Structure / Slot:	Fed-Com 1625 #271 / Fed-Com 1625 #271	TVD Reference Datum:	RKB
Well:	Fed-Com 1625 #271	TVD Reference Elevation:	0.0 ft relative to
Borehole:	Fed-Com 1625 #271	Sea Bed / Ground Level Elevation:	0.000 ft relative to
UWI/API#:		Magnetic Declination:	8.765°
Survey Name / Date:	FC 1625-271_r1 / May 17, 2005	Total Field Strength:	49565.754 nT
Tort / AHD / DDI / ERD ratio:	90.000° / 4455.54 ft / 5.877 / 0.902	Magnetic Dip:	60.799°
Grid Coordinate System:	NAD83 New Mexico State Planes, Eastern Zone, US Feet	Declination Date:	May 17, 2005
Location Lat/Long:	N 32 54 1.882, W 104 28 46.627	Magnetic Declination Model:	IGRF 2005
Location Grid N/E Y/X:	N 691375.500 ftUS, E 496439.600 ftUS	North Reference:	Grid North
Grid Convergence Angle:	-0.07945964°	Total Corr Mag North -> Grid North:	+8.844°
Grid Scale Factor:	0.99991140	Local Coordinates Referenced To:	Well Head

Comments	Measured Depth	Inclination	Azimuth	TVD	Vertical Section	NS	EW	Closure	Closure Azimuth	DLS	Tool Face
	(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(deg/100 ft)	(deg)
Tie-In	0.00	0.00	179.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.29M
KOP	4687.00	0.00	179.29	4687.00	0.00	0.00	0.00	0.00	0.00	0.00	179.29M
	4700.00	2.98	179.29	4699.99	0.34	-0.34	0.00	0.34	179.29	22.92	179.29M
	4800.00	25.90	179.29	4796.19	25.11	-25.10	0.31	25.11	179.29	22.92	0.00G
	4900.00	48.82	179.29	4875.15	85.38	-85.37	1.05	85.38	179.29	22.92	0.00G
	5000.00	71.73	179.29	4924.40	171.64	-171.63	2.12	171.64	179.29	22.92	0.00G
EOC	5079.70	90.00	179.29	4937.00	250.00	-249.98	3.09	250.00	179.29	22.92	0.00G
PBHL	9285.24	90.00	179.29	4937.00	4455.54	-4455.20	55.00	4455.54	179.29	0.00	0.00G

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Model well

WELL : www.sec.en/wightman.com FIELD : WILDCAT ABO (GAS) CATEGORY : HORIZONTAL WELL STATE : NEW MEXICO COUNTY : EDDY LOCATION: S.L.: 800' FNL 660 FWL, SEC 26, UNIT D, T16S, R25E ELEVATION: GL 3606'

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