Form C-102 Revised August 1, 2011

> Submit one copy to Appropriate District Office

AMENDED REPORT

RCVD APR 14'14 DIL CONS. DIV. DIST. 3

Energy, Minerals & Natural Resources Department

District I 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First Street. Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Drive, Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

> N89 *48 '46 "W 2586.30" S89 *55 W 2591.16 (RECORD)

NB9 18 25 W 2630.65

S89 *55 W 2673.66 (RECORD)

A

District III

OIL CONSERVATION DIVISION

State of New Mexico

1220 South St. Francis Drive Santa Fe, NM 87505

CONFIDENTIAL

DIST. 3 WELL LOCATION AND ACREAGE DEDICATION PLAT 'APT Number *Pool Code Pool Name 30-045-34755 32870 HORSESHOF GALLUP Property Code Property Name Well Number 309598 NE HOGBACK UNIT 74H 'OGRID No. Operator Name Elevation 279508 CHUZA OIL COMPANY 5432 ¹⁰ Surface Location ŨL. or loc no Sect ior Township Range Lot Idn Feet from the North/South line East/West line County Feet from the H 10 30N 16W 2270 NORTH 330 EAST SAN JUAN ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Lot Idn North/South line Section Township Range Feet from the Feet from the East/West line County SAN JUAN B 15 30N 16W 186 NORTH 2380 FAST 12 Dedicated Acres ¹³ Joint or Infill 14 Consolidation Code ¹⁵ Order No. 160: Section 10, Unit Letters I, J, O Section 15: Unit Letter E R-13607 (RECORD) (RECORD) NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A N89 56 E 2587.20 NB9 '56'E 2640.00 \$89 *33 '48 'E 2583.52' (MEASURED) S89 *28 '36 "E 2636.76 (MEASURED) NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 16 LOT 44 " OPERATOR CERTIFICATION " 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 heretoppe entered by the division. O' (MEASURED)) 133'07''E 2638.44 NO "01'N 2640.00' (RECORD) 1 2270' · (PECOPD) · (MEASUPED) LOT SURFACE LOCATION POEE 8 2270 FNL, 330 FEL SECTION 10, T30N, R16W LAT: 36.82969 N LONG: 108.50372 W 85 5280.0 10 39/ ____ Ž 14 -113-14 DATUM: NAD1927 11 N. 20. M. 20. LOT (MEASURED) NO 3158 E 263511 NO 01 W 2640.00 (RECORD) ł ignature Date LAT: 36.82969 *N LONG: 108.50436 *W DATUM: NAD1983 Patrick Padilla NY NY NY DN BE Printed Name Ŕ 9 (MEASURED) 589 *20 '59'E 2639.53' 589 *55 E 2640.00' (RECORD) (Record) Seg *55 E 2592.48 Seg •19 53 E 2591.71 (MEASURED) plpadilla@chuzaoil.com E-mail Address L01 ¹⁸SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or uno my supervision, and that the same is true and correct to the best of my belief. UDDEC (RECORD) 50 °02 °E 2651.22 50 °22 '38 °W 2650.12 (NE4SURED) 2380 186 ŝ LOT (MEASURED) NO "31 "53 "E 2640.50 NO "01 "W 2640.00" (RECORD) 1 Date Revised: FEBRUARY 28, 2014 Date Survey: JANUARY 31, 2014 END-OF-LATERAL 186 F.NL, 2380 FEL SECTION 15, T30N, R16W LAT: 36.82095 N LONG: 108.51074 W Signature and Seal of Professional Surveyor EDWARDS JASON LOT C. So NETICO DATUM: NAD1927 15 LAT: 35.82095 *N LONG: 108.51138 *W DATUM: NAD1983 (RECORD) S0 *02 °E 2651.22 * S0 *22 *13 ** 2649.98 * (MEASURED) REETSIDERED AROFESSION Sun Fron ۶. LOT (MEASURED) VO *31 `33`E 2639.75 NO *01 W 2640.00 ' (RECORD) 3 LOT Δ S §. .DWARDS <u>20N</u> (MEASURED) (MEASURED)

e Sp

15269

Certificate Number

BU	UNITED STATI EPARTMENT OF THE REAU OF LAND MAN NOTICES AND REP form for proposals Use Form 3160-3 (A	INTERIOR	r FEB 2	7 2014	C Ex 5. Lease Serial No. NMNM-077281	ORM APPROVED DMB No. 1004-0137 pires: October 31, 2014 Tribe Name		
	AIT IN TRIPLICATE – Othe				7. If Unit of CA/Agreen			
1. Type of Well Oil Well Gas	Well Other		•		8. Well Name and No.			
2. Name of Operator Chuza Oil Company					Northeast Hogback Unit #74H 9. API Well No. 30-045-34755			
3a. Address		3b. Phone No	o. (include area cod	e)	10. Field and Pool or E	xploratory Area		
1000 Cordova Place #376, Santa Fe, NM 87			32870 Horsehoe Gal	•				
4. Location of Well (Footage, Sec., 2 Unit Letter H, 2270' FNL, 330' FEE Sec. 10, T30N, R16W, NMPM	.,R.,M., or Survey Description		11. County or Parish, S San Juan County, Ne					
12. CH	ECK THE APPROPRIATE BO	OX(ES) TO IN	DICATE NATURE	OF NOTIO	CE, REPORT OR OTHE	R DATA		
TYPE OF SUBMISSION			ТҮР	E OF ACT	ION			
Notice of Intent	Acidize		pen :ture Treat v Construction		uction (Start/Resume) amation omplete	Water Shut-Off Well Integrity Other		
Subsequent Report	Change Plans		g and Abandon		porarily Abandon	as-drilled data		
Final Abandonment Notice	Convert to Injection		g Back		er Disposal	and approximate duration thereof. If		
testing has been completed. Fina determined that the site is ready Attached please find the final direct OIL CONS JUN	for final inspection.) ctional survey for this well. DIV DIST. 3			, including	ACCEPTE APR	TO FOR RECORD		
14. I hereby certify that the foregoing is Patrick Padilla	s true and correct. Name (Printe	ed/Typed)	Title President		il Company	<u>Salyers</u>		
Signature	γ	-	Date Z	- 2	7-14			
	THIS SPACE	FOR FED	ERAL OR STA	ATE OFI		·		
Approved by Conditions of approval, if any, are attact that the applicant holds legal or equitabl entitle the applicant to conduct operation	e title to those rights in the subje				D	ate		
fictitious or fraudulent statements or rep				d willfully t	o make to any department	or agency of the United States any false,		
(Instructions on page 2)		Dieso	AA					

NNOCDA

.

Chuza Oil Company

San Juan County, NM Sec. 10-T30N-R16W NE Hogback Unit #74

Plan D

Design: Sperry Final Surveys (Lateral)



Standard Report

27 January, 2014

Well Coordinates: 2,122,018.48 N, 2,526,710.32 E (36° 49' 46.88" N, 108° 30' 15.68" W) Ground Level: 5,437.50 usft

Local Coordinate Origin: Viewing Datum: TVDs to System: North Reference: Unit System:

Geodetic Scale Factor Applied Version: 5000.1 Build: 70

Centered on Well NE Hogback Unit #74 RKB 15' @ 5452.50usft (Aztec 711) N True API - US Survey Feet - Custom

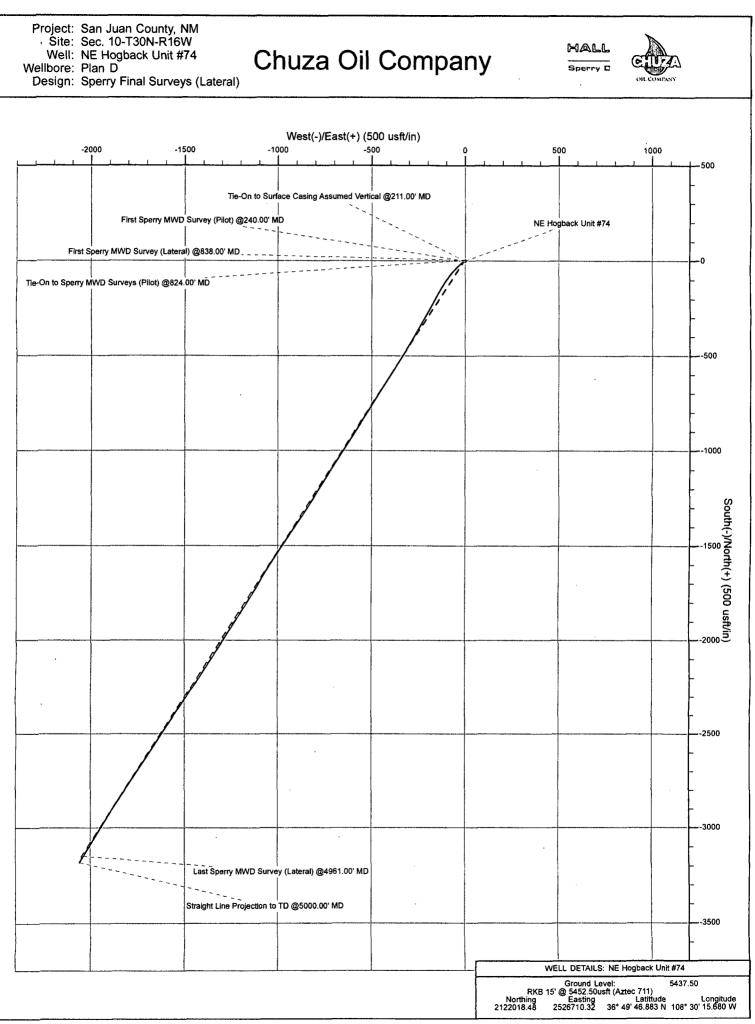
HALLIBURTON

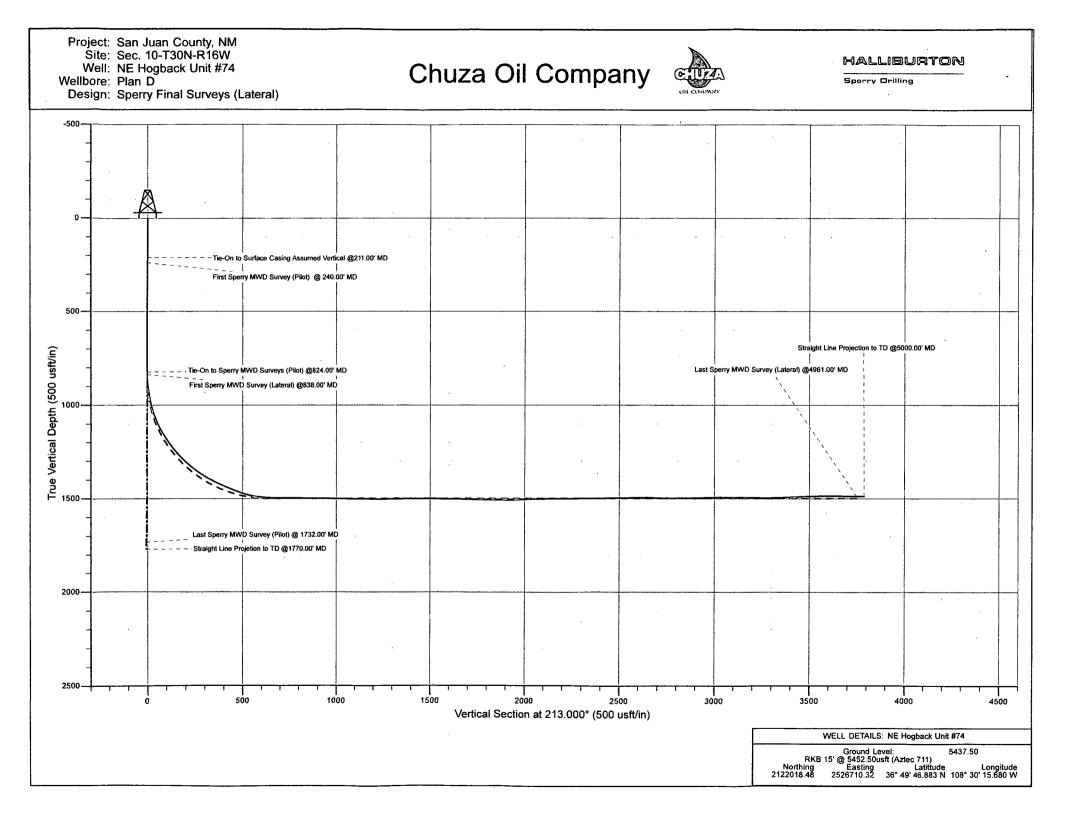
	44		RY-SUN I ertified s				ЕS			
OPERATOR:	Chuza Oil C	ompany	7			SSDS Jo	SSDS Job Number :		900930083	
WELL:	NE Hogbaci	-	1			Start Da	te of Job :	1	11/29/2013	
FIELD:	Hogb	ack	1			End Dat	e of Job :		12/12/2013	
RIG:	Aztec #711					Lead Dir	ectional Driller:		Levi George	
LEGALS:	Sec 10 -T30	N-R16W								
COUNTY:	San Ji	uan				Other St	SDS DD's :		Robert Kanouff	
STATE:	New Me	xico	1					1		
CAL. METHOD:	Min Curv	vature	1			SSDS MT	VD Engineers :	<u> </u>	Alex Lamborn	
MAG. DECL. APPLIED:	9.96	3	_					1	Greg Odonnell	
VERTICAL SEC. DIR. :	212.8	90	1							
			_							
	Main Hole =====	========>	1st Side Track =	======>	2nd Side Tra	ck =======>	3rd Side Track ==	:=====>	4th Side Track =	*======
	211.00	Tie On	824.00	Tie On		Tie On		Tie On		Tie
First Survey Depth	240.00		838.00		ļ					
Last Survey Depth					_					
		+		+						
KOP Depth/Sidetrack MD		КОР	860.00	KOP-ST1	<u> </u>	KOP-ST2		KOP-ST3		KOP-S
			1							
								l		
First Survey Depth		MWD	961.00	MWD		MWD		MWD		MWI
Last Survey Depth	1732.00	MWD	4961.00 5000.00	MWD	ļ	MWD		MWD		MW
Bit Extrapolation to TD	1770.00	T.D.		T.D.	d below de e	T.D.	l e survey informati			T.D
	The following Sp	erry Sun Dh	ning Services per	sound use		entry me above	e survey mormati	on to be act	urate :	
	Print Name :	Le	vi George	Print Nan	ne :	Robert Ka	anouff ,	Print Name	Tim Whe	eler
	Sign Name :	Z.	-01-0	Sign Narr	ie :	MATW	N#####	Sign Name		
	Print Name :	Ale	x Lamborn	Print Nan	ne :	Greg Odo	nnell	Print Name		
	Sign Name :	ally ha	wich	Sign Nam	ie :	my de	<u>A</u>	Sign Name	·····	
TieOn <u>xamples of</u> MWD <u>survey Types:</u> ESS Gyro SS	Sperry Sun Drill Gyro Survey's ;	ing Services ing Services Provided by	sumed Vertical), (SSDS) Measurer (SSDS) Electroni third party vendo Provided by Sperr	ment While c Survey S or, or by Sp	Drilling (MWE ystem (ESS) s erry Sun Drill)) Survey's Burvey's ing Services (S	SDS)	-		

Blank

Page 1

i





San Juan County, NM

Design Report for NE Hogback Unit #74 - Sperry Final Surveys (Lateral)

Measured Depth	Inclination	Azimuth	Vertical Depth (usft)	+N/-S	+E/-W	Vertical Section	Dogleg Rate (%/100us ft)	
(usft)	(°)	(°)		(usft)	(usft)	(usft)	(°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	•
15.00	0.00	0.000	15.00	0.00	0.00	0.00	0.00	
211.00	0.00	0.000	211.00	0.00	. 0.00	0.00	0.00	
	face Casing Ass	-						
240.00	0.36	358.200	240.00	0.09	0.00	-0.07	1.24	
	WD Survey (Pil							
301.00	0.21	5.400	301.00	0.39	0.00	-0.33	0.25	
362.00	0.61	330.510	362.00	0.79	-0.15	-0.58	0.74	
422.00	1.16	337.820	421.99	1.63	-0.53	-1.07	0.93	
482.00	0.74	321.500	481.98	2.49	-1.00	-1.54	0.83	
575.00	1.18	313.600	574.97	3.62	-2.07	-1.91	0.49	
637.00	0.37	302.920	636.96	4.17	-2.70	-2.03	1.32	
		107.000		(
699.00	0.64	137.900	698.96	4.03	-2.64	-1.94	1.62	
761.00	0.44	116.180	760.96	3.66	-2,19	-1.88	0.46	
824.00	0.14	59.500	823.96	3.60	-1.91	-1.98	0.61	
-	rry MWD Survey							
838.00	0.56	249.390	837.96	3.58	-1.96	-1.94	4.99	
• •	IWD Survey (La							
961.00	11.73	231.260	960.06	-4.48	-12.31	10.46	9.10	
991.00	13.87	229.510	989.31	-8.72	-17.42	16.80	7.25	
1,022.00	16.13	226.430	1,019.25	-14.11	-23.37	24.56	7.73	
1,052.00	19.06	225.410	1,047.85	-20.42	-29.88	33.40	9.82	
1,082.00	22.22	225.520	1,075.92	-27.83	-37.41	43.72	10.53	
1,113.00	25.25	225.000	1,104.29	-36.62	-46.27	55.91	9.80	
1,144.00	27.73	222.390	1,132.04	-46.62	-55.81	69.50	8.84	
1,173.00	30.21	221.680	1,157.41	-57.06	-65.21	83.37	8.63	
1,203.00	33.00	221.030	1,182.96	-68.86	-75.60	98.92	9.37	
1,234.00	35.76	219.000	1,208.54	-82.27	-86.84	116.29	9.64	
1,264.00	37.79	215.080	1,232.57	-96.61	-97.64	134.20	10.34	
1,294.00	40.38	212.760	1,255.86	-112.30	-108.19	153.11	9.91	
1,324.00	43.39	212.530	1,278.19	-129.17	-118.99	173.14	10.05	
1,355.00	46.40	211.380	1,300.15	-147.73	-130,56	195.01	10.06	
1,385.00	48.57	208.570	1,320.42	-166.89	-141.60	217.09	10.00	
1,416.00	51.47	207.750	1,340.34	-187.83	-152.81	240.75	9.57	
1,446.00	54.44	208.540	1,358.41	-208.94	-164.10	264.61	10.12	
1,476.00	57,93	209.160	1,375.10	-230.77	-176.13	289.46	11.76	
1,507.00	60.86	209.590	1,390.88	-254.01	-189.22	316.09	9.53	
1,536.00	62.80	209.460	1,404.57	-276.26	-201.82	341.61	6.70	
1,566.00	64.41	209.930	1,417.91	-299.60	-215.13	368.43	5.55	
1,596.00	65.55	209.680	1,430.60	-323.19	-228.64	395.57	3.87	
1,628.00	67.36	209.950	1,443.38	-348.64	-243.23	424.86	5.71	
1,659.00	68.44	209.330	1,455.04	-373.60	-257.43	453.54	3.95	
1,691.00	69.88	209.760	1,466.43	-399.62	-272.18	483.39	4.67	
1,722.00	73.03	209.910	1,476.28	-425.11	-286.80	512.73	10.17	
1,753.00	77.75	211.450	1,484.10	-450.90	-302.10	542.69	15.97	
1,784.00	81.95	212.140	1,489.56	-476.83	-318.18	573.19	13.72	
1,816.00	84.99	212.610	1,493.20	-503.68	-335.20	604.98	9.61	
1,848.00	86.74	212.660	1,495.51	-530.55	-352.41	636.90	5.47	
1,879.00	89.13	212.620	1,496.63	-556.64	-369.12	667.87	7.71	
1,933.00	89.63	212.950	1,497.21	-602.03	-398.36	721.87	1.11	

,

•

Design Report for NE Hogback Unit #74 - Sperry Final Surveys (Lateral)

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)
1,995.00	90.03	211.920	1,497.39	-654.36	-431.61	783.87	1.78
2,057.00	89.50	212.150	1,497.65	-706.92	-464.50	845.86	0.93
2,118.00	89.73	211.320	1,498.06	-758.80	-496.58	906.84	1.41
2,179.00	88.79	212.410	1,498.85	-810.60	-528.78	967.82	2.36
2,241.00	88.83	213.460	1,500.13	-862.62	-562.48	1,029.81	1.69
2,302.00	88.56	212.680	1,501.52	-913.73	-595.76	1,090.79	1.35
2,363.00	88.92	213.090	1,502.86	-964.94	-628.87	1,151.77	0.89
2,424.00	90.44	212.760	1,503.21	-1,016.14	-662.02	1,212.77	2.55
2,487.00	91.14	212.670	1,502.34	-1,069.14	-696.07	1,275.76	1.12
2,549.00	91.24	211.650	1,501.05	-1,121.62	-729.06	1,337.74	1.65
2,612.00	90.77	211.830	1,499.94	-1,175.19	-762.20	1,400.72	0.80
2,676.00	90.10	212.540	1,499.46	-1,229,35	-796.29	1,464.71	1.53
2,738.00	88.66	213.000	1,500.13	-1,281.48	-829.84	1,526.70	2.44
2,801.00	88.76	214.390	1,501.55	-1,333.88	-864.79	1,589.68	2.21
2,863.00	88.59	213.550	1,502.98	-1,385.28	-899.42	1,651.65	1.38
2,957.00	88.66	213.990	1,505.24	-1,463.40	-951.65	1,745.62	0.47
3,020.00	90.10	213.490	1,505.92	-1,515.78	-986.64	1,808.61	2.42
3,083.00	88.12	212.100	1,506.90	-1,568.73	-1,020.76	1,871.60	3.84
3,146.00	91.61	212.190	1,507.05	-1,622.07	-1,054.27	1,934.58	5.54
3,209.00	92.32	210.770	1,504.89	-1,675.76	-1,087.15	1,997.52	2,52
3,272.00	91.75	211.850	1,502.65	-1,729.55	-1,119.87	2,060.45	1.94
3,333.00	90.34	212.230	1,501.54	-1,781.25	-1,152.23	2,121.43	2.39
3,409.00	90.30	211.900	1,501.11	-1,845.65	-1,192.57	2,197.42	0.44
3,441.00	90.24	211.880	1,500.96	-1,872.82	-1,209.48	2,229.41	0.20
3,504.00	90.67	213.090	1,500.46	-1,925.96	-1,243.31	2,292.41	2.04
3,566.00	90.94	212.410	1,499.59	-1,978.10	-1,276.85	2,354.40	1.18
3,627.00	90.47	212.830	1,498.84	-2,029.48	-1,309.73	2,415.39	1.03
3,689.00	91.38	213.750	1,497.84	-2,081.30	-1,343.75	2,477.38	2.09
3,750.00	91.11	214.160	1,496.51	-2,131.88	-1,377.82	2,538.36	0.80
3,811.00	90.94	213.740	1,495.42	-2,182.47	-1,411.88	2,599.34	0.74
3,872.00	87.51	213.310	1,496.25	-2,233.31	-1,445.56	2,660.32	5.67
3,933.00	88.62	214.110	1,498.31	-2,284.03	-1,479.39	2,721.28	2.24
3,994.00	90.34	213.310	1,498.86	-2,334.77	-1,513.25	2,782.27	3.11
4,055.00	91,11	213.370	1,498.09	-2,385.72	-1,546.77	2,843.27	1.27
4,116.00	90.87	213.140	1,497.03	-2,436.73	-1,580.21	2,904.26	0.54
4,177.00	91,21	212.770	1,495.93	-2,487.90	-1,613.39	2,965.25	0.82
4,237.00	90.67	212.580	1,494.94	-2,538.40	-1,645.78	3,025.24	0.95
4,298.00	89.83	212.320	1,494.68	-2,589.87	-1,678.51	3,086.23	1.44
4,360.00	89.73	213.140	1,494.91	-2,642.03	-1,712.03	3,148.23	1.33
4,421.00	89.16	214.140	1,495.50	-2,692.81	-1,745.82	3,209.22	1.89
4,481.00	89.63	214.400	1,496.14	-2,742.39	-1,779.60	3,269.20	0.90
4,543.00	91.78	213.320	1,495.38	-2,793.87	-1,814.14	3,331.19	3.88
4,604.00	92.62	212,950	1,493.03	-2,844.91	-1,847.46	3,392.14	1.50
4,665.00	92.32	212.340	1,490.40	-2,896.23	-1,880.34	3,453.08	1.11
4,726.00	91.81	211.990	1,488.21	-2,947.83	-1,912.79	3,514.04	1.01
4,786.00	90.67	212.110	1,486.91	-2,998.67	-1,944.62	3,574.01	1.91
4,848.00	89.46	211.540	1,486.84	-3,051.35	-1,977.31	3,636.00	2.16
4,909.00	88.76	211.910	1,487.79	-3,103.23	-2,009.39	3,696.98	1.30
4,961.00	89.60	211.220	1,488.53	-3,147.53	-2,036.60	3,748.95	2.09
Last Sperry N	IWD Survey (Lat	teral) @4961.00'	MD				
5,000.00	89.60	211,220	1,488.80	-3,180.88	-2,056.82	3,787.94	0.00

HALLIBURTON

San Juan County, NM

Design Report for NE Hogback Unit #74 - Sperry Final Surveys (Lateral)

Measured			Vertical			Vertical	Dogleg
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)

Straight Line Projection to TD @5000.00' MD

Design Annotations

Measured Vertical		Local Coor	dinates	
Depth	Depth	+N/-S	+E/-W	Comment
(usft)	(usft)	(usft)	(usft)	
211.00	211.00	0.00	0.00	Tie-On to Surface Casing Assumed Vertical @211.00' MD
240.00	240.00	0.09	0.00	First Sperry MWD Survey (Pilot) @240.00' MD
824.00	823,96	3.60	-1.91	Tie-On to Sperry MWD Surveys (Pilot) @824.00' MD
838.00	837,96	3.58	-1.96	First Sperry MWD Survey (Lateral) @838.00' MD
4,961.00	1,488.53	-3,147.53	-2,036.60	Last Sperry MWD Survey (Lateral) @4961.00' MD
5,000.00	1,488.80	-3,180.88	-2,056.82	Straight Line Projection to TD @5000.00' MD

Vertical Section Information

	Angle			Origin	Orig	Start	
	Туре	Target	Azimuth (°)	Туре	+N/_S (usft)	+E/-W (usft)	TVD (usft)
User		No Target (Freehand)	213.000	Slot	0.00	0.00	0.00
Survey tool prog	<u>ram</u>						
From	То		Survey/Plan			Surv	ey Tool

	10	ourreyn ian	Guivey 1001
(usft)	(usft)		
15.00	211.00	Surface Casing Assumed Vertical	Assumed Vertical (NO
			Surveys)
240.00	824.00	Sperry MWD Surveys (Pilot)	MWD
838.00	5,000.00	Sperry MWD Surveys Build & Lateral	MWD

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NE Hogback Unit #74_	0.00	0.00	15.00	0.00	0.00	2,122,018.48	2,526,710.32	36° 49' 46.883 N	108° 30' 15.680 W
 actual wellpath hit Point 	is target o	enter							
NE Hogback Unit #74_	0.00	0.00	1,500.00	-3,151.93	-2,046.88	2,118,881.13	2,524,641.43	36° 49' 15.717 N	108° 30' 40.854 W

- actual wellpath misses target center by 16.02usft at 4961.00usft MD (1488.53 TVD, -3147.53 N, -2036.60 E) - Point

HALLIBURTON

San Juan County, NM

North Reference Sheet for Sec. 10-T30N-R16W - NE Hogback Unit #74 - Plan D

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 15' @ 5452.50usft (Aztec 711). Northing and Easting are relative to NE Hogback Unit #74

Coordinate System is US State Plane 1983, New Mexico Western Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

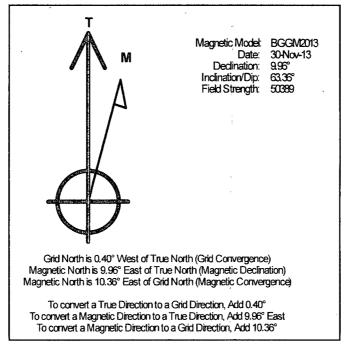
Central Meridian is 107° 50' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 2,723,091.67usft, False Northing: 0.00usft, Scale Reduction: 0.99996079

Grid Coordinates of Well: 2,122,018.48 usft N, 2,526,710.32 usft E Geographical Coordinates of Well: 36° 49' 46.88" N, 108° 30' 15.68" W Grid Convergence at Surface is: -0.40°

Based upon Minimum Curvature type calculations, at a Measured Depth of 5,000.00usft the Bottom Hole Displacement is 3,787.94usft in the Direction of 212.89° (True).

Magnetic Convergence at surface is: -10.36° (30 November 2013, , BGGM2013)



District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505 Т

Submit one copy to appropriate District Office

AMENDED REPORT

REQUEST FOR	ALLOWABLE AND AUTHO	RIZATION TO TRAN	SPORT
ta Fe, NM 87505	Santa Fe, NM 87505		
, NM 87410	1220 South St. Francis Dr.		AMEND

Oil Conservation Division

					OTADLE	11112 1101		· · · · · · · · · · · · · · · · · · ·				
¹ Operator n		Address						- OGRID Nur	² OGRID Number			
Chuza Oil C								1-		279508		
1000 Cordov								³ Reason for I	0		ctive Date	
Santa Fe, NI								Test		able - Oil	·	
⁴ API Numb	er	⁵ Pool	Name							ool Code		
30 - 045-34	1755	Horse	eshoe Gal	lup					328	370		
⁷ Property C	ode	le ⁸ Property Name ⁹ Well N							Vell Numbe	er		
309	598				Northeast Hog	back Unit					_74H	
II. ¹⁰ Su	rface L	ocation 5		_								
Ul or lot no.	Section		Range	Lot Idn	Feet from the	North/Sou	th	Feet from the	East/	West line	County	
Н	10	30N	16W		2270	Line		330	East		San Juan	
× .	10		10.11			North						
¹¹ Bottom Hole Location												
UL or lot	Section							County				
no.	15	30N	16W		186			East		San Juan		
В	1.	5011			100	i tortin		2000	Luot			
¹² Lse Code		icing Method		onnection	¹⁵ C-129 Pern	nit Number	16 (C-129 Effective	Date	¹⁷ C-12	29 Expiration Date	
		Code	D	ate								
III. Oil :	and Ga	s Transpo	rters				<u> </u>			L		
¹⁸ Transpor				· ·	¹⁹ Transpor	ter Name				<u> </u>	²⁰ O/G/W	
OGRID					and Ad						Or Gr W	
304424					Associated End						0	
304424					Associated En	agy services						
· · · · · · · · · · · · · · · · · · ·			2	105 City V	West Blvd, Ste	100, Houston,	ТХ	77042				
266533					Pacer Energy	Marketing			_		0	
ю, А <u></u> й,				823 So	outh Detroit Av	e, Tulsa, OK	7412	0				
	ROVD APR 2'14								APR 2'14			

	a.
CONFIDENTIAL	OIL CONS. DIV.
	DIST. 3

W Well Completion Data

	ipiciton Data				
²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
11/29/13	~ 4/47514	5000'	5000' MD/TVD	Top: ~1,850' MD	
	<u>25</u>			Bottom: ~4,975' MD	
²⁷ Hole Size	e ²⁸ Casing	& Tubing Size	²⁹ Depth Se	t	³⁰ Sacks Cement
12 1/4"	9 5/8"	, 40.0#, J-55	211'		130sx
8 3/4"	5 1/2",	17.0#, N-80	5000'		1220sx
	2 7/8'	, 6.4#, J-55	Not yet		
				······	· · · · · · · · · · · · · · · · · · ·

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method		
been complied with	at the rules of the Oil Cons and that the information gives of my knowledge and belie	ven above is true and	e OIL CONSERVATION DIVISION Approved by: Charlen 4-17-2014				
Printed hame: Patrick Padilla			Title: SUPERVISOR DISTRICT # 3				
Title: President, Chuza Oi	1 Company		Approval Date: APR 1 7 2014				
	4 Q C HUTADIL. 4 Phone: 505-690-7803	Com					
	()003-090-7803	4-17-14 U	perbal regi nge read	nech Faer	n Portrick		
		to cha	nge read	y dark -	from 4-15.		
		4-25-1	Ч. `	\mathcal{O}			

		,	ŝ	5. 5			
Form 3160-5 (March 2012)	DFI	UNITED STATE PARTMENT OF THE				ند ال الي:	ORM APPROVED DMB No. 1004-0137
		EAU OF LAND MAN		APR 1	1 1 2014	5. Lease Serial No. NMNM-077281	pires: October 31, 2014
_		OTICES AND REPO		ELLS		6. If Indian, Allottee o	r Tribe Name
Do no abando	ot use this f oned well.	orm for proposals t Use Form 3160-3 (A	to drill or to PD) for sug	re-enter an h proposal	n 1995 n. 5: [be.72]	no. Antoin	
	SUBMI	T IN TRIPLICATE Other	instructions or	n page 2.			ement, Name and/or No.
1. Type of Well		· · · · · · · · · · · · · · · · · · ·				NMNM-78403A 8. Well Name and No.	
2. Name of Operator	Gas W	/ell Other		·		Northeast Hogback	
2. Name of Operator Chuza Oil Company 3a. Address			3h Phone No	(include area cod	de)	9. API Well No. 30-045-34755 10. Field and Pool or I	Synlaratory Area
1000 Cordova Place #376, 5	Santa Fe, NM 8750	5	505-690-7803		<i></i> /	32870 Horsehoe Ga	
4. Location of Well (F SHL: Unit Letter H, 2270' FN Sec. 10, T30N, R16W, NMP	L, 330' FEL	R., M., or Survey Description BHL: Unit Letter B, 186' FNL, 23 Sec. 15, T30N, R16W, NMPM) 80' FEL			11. County or Parish, San Juan County, N	
	12. CHEC	K THE APPROPRIATE BO	DX(ES) TO IND	CATE NATURI	E OF NOTIO	CE, REPORT OR OTH	ER DATA
TYPE OF SUB	MISSION			TY	PE OF ACT	ION	
Notice of Intent		Acidize	Deep Fracti	en ure Treat	processon of the local division of the local	uction (Start/Resume)	Water Shut-Off Well Integrity
Subsequent Repo	rt	Casing Repair		Construction		mplete	Other
Final Abandonme		Change Plans	Plug	and Abandon	and the second se	oorarily Abandon er Disposal	change in horizontal
the proposal is to c Attach the Bond u following complet testing has been cc determined that the The Northeast Hogba Halliburton/Sperry, th	leepen direction ader which the vion of the involv impleted. Final e site is ready fo ack Unit #74H vion e azimuth was he well is within	ally or recomplete horizontal work will be performed or pro- ed operations. If the operati Abandonment Notices must r final inspection.) was originally designed wi changed to ±213° to avoi on the boundaries of the No	ly, give subsurfa ovide the Bond I on results in a m be filed only after th an azimuth of d intersecting e ortheast Hogba	ace locations and No. on file with B sultiple completio er all requirement of ±220°. Upon r existing wellbore ck Unit, and all	measured ar SLM/BIA. R in or recomp rs, including review prior as in or nea spacing rec	Ind true vertical depths of equired subsequent rep letion in a new interval reclamation, have been r to drilling by the dire r the projected traject	c and approximate duration thereof. If f all pertinent markers and zones. orts must be filed within 30 days , a Form 3160-4 must be filed once completed and the operator has ctional drilling services of cory of the horizontal portion of this d in New Mexico Oil Conservation
(OIL CONS	. DIV DIST.	3		
			ADD	2 5 2014		ACCEPTED	for record
			AFN	<i>µ</i>		APR :	2 3 2014
							n field office
						BY1 <u>~</u> FL	Sallyer3
14. I hereby certify that Patrick Padilla	the foregoing is t	rue and correct. Name (Printe	rd/Typed)	mu Drasidar		il Compony	
	A			Title Presiden	1		
Signature		02		Date	1-11	-14	·
		THIS SPACE	FOR FEDE	RAL OR ST	ATE OFI	FICE USE	
Approved by		······································	<u> </u>				
that the applicant holds le entitle the applicant to co	gal or equitable t nduct operations		ct lease which we	ould Office			Date
		U.S.C. Section 1212, make it is sentations as to any matter with the section of t			nd willfully t	o make to any departmen	t or agency of the United States any false
(Instructions on page 2)			·····	· · ·			

NMOCDAY

(March 2012)		UNITED STA RTMENT OF TH VU OF LAND MA	E INTERIOR		5 Lease Serial No.	OMB No, 1004-0137 xpires: October 31, 2014	
sı	INDRY NO	TICES AND RE	PORTS ON WELLS	s JUN 04	6. If Indian, Allottee	or Triba Name	<u> </u>
Do not i	ise this for	m for proposal	s to drill or to re-ei (APD) for such pro	nterianiston Fi	el Office Vananemen	a frie fame	
	SUBMIT IN		her instructions on page	2,		ement, Name and/or No.	· ·
Type of Well					- NMNM-78403A 8. Well Name and No)	
Qil Well	Gas Well	D Öther			Northeast Hogback	Unit #74H	· · ·
2. Name of Operator Chuza Oil Company Ia. Address	· · · · ·		36 Pliphe No. (Include	Le cance de Dil	9: API Well No. 30-045-34755 10, Field and Pool or	P	1 4.
000 Cordova Place #376, Santa			505-690-7803	ç (11 çi) ç(xiii)	32870 Horsehoe G	allup	
Location of Well (Foold HL: Unit Longr H, 2270 FNL, 33 ee: 10, 130N, R18W, NMPM	ige, Sac., T., K., A 30' FEL BI Se	M., or Survey Devoript, IL: Unit Laker B, 186, FNL, ac: 15, T30N, R16W, NMPN	/ <i>0n)</i> . 2380' FEL. M		Th County of Parish, San Juan County, N		
, 	12. CHECK	THE APPROPRIATE	BOX(ES) TO INDICATE	NATURE OF NOTI	ice, report or oth	HER DATA	
TYPE OF SUBMIS	SION			TYPE OF AC	TION		
Notice of Intent		Acidize Alter Casing	Deepen Fraenne Treat	I Reŭ	duction (Start/Resume) Jamation	Water Shut-Off	
Z Subsequeiit Report	BR	Casing Repair	New Construct		ompleie. iporarlly Abandon	Other	data
Final Abandonment N	₩	Convert to Injectio			ier Disposal		
the proposal is to deep Attach the Bond under following completion: testing has been compl determined that the Sit	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	pertinent details, including nally, give subsurface (tran provide the Bond No. on f ration results in a multiple o ist be filed only after all rec ndividual stage basis.	tions and measured a file with BLM/BIA, completion or recom	nd true vertical depths (Required subsequent re pletion in a new interva greelanalion, have been	pl all pertinent markers an parts must be filed within 1, a Form 3160-4 must be	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion.(testing has been compl	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	itally, give subsurface focat provide the Bond No. on f ration results in a multiple o ist be filed only after all rec	tions and measured a file with BLM/BIA, completion or recom	nd true vertical depths (Required subsequent re pletion in a new interva greelaination, have been OIL CONS	pl'all pertinent markers an forts mûst be filed within I, a Form 3160-4 must be n completed and the opera	d zones. 30 dáys filed once
the proposal is to deep Anach the Bond under following completion: testing has been compl determined that the site	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	itally, give subsurface focat provide the Bond No. on f ration results in a multiple o ist be filed only after all rec	tions and measured a file with BLM/BIA, completion or recom	nd true vertical depths (Required subsequent re pletion in a new interva greelaination, have been OIL CONS	pl'all pertinent markers an ports must be filed within 1, a florm 3160-4 must be 1, completed and the opera 5. DIV DIST. 3	d zones. 30 dáys filed once
the proposal is to deep Anach the Bond under following completion: testing has been compl determined that the site	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	itally, give subsurface focat provide the Bond No. on f ration results in a multiple o ist be filed only after all rec	tions and measured a file with BLM/BIA, completion or recom	nd true vertical depths (Required subsequent re pletion in a new interva g reclaination, have been OIL CONS JUN	pl'all pertinent markers an paris must be filed within 1, a Form 3160-4 must be 1 completed and the opera 5. DIV DIST. 3 17 2014	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion: testing has been compl determined that the site	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	itally, give subsurface focat provide the Bond No. on f ration results in a multiple o ist be filed only after all rec	tions and measured a file with BLM/BIA, completion or recom	nd true vertical depths of Required subsequent re- pletion in a new interva greelainalion thave been OIL CONS JUN	pl'all pertinent markers an ports mûst be filed within 1, a Form 3160-4 must be n commleted and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD	d zones. 30 dáys filed once
the proposal is to deep Anach the Bond under following completion: testing has been compl determined that the site	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	itally, give subsurface focat provide the Bond No. on f ration results in a multiple o ist be filed only after all rec	tions and measured a file with BLM/BIA, completion or recom	nd rue vertical depths (Required subsequent re pletion in a new interva greelainallon, have been OIL CONS JUN ACCEPTI	pl'all pertinent markers an ports milist be filed within I, a Form 3160-4 must be a completed and the opera 5. DIV DIST. 3 1 7 2014 ED FOR RECORD 0 4 2014	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion: testing has been compl determined that the site	en directionally which the work of the involved ered, Final Abs is ready for fir	or recomplete horizon t will be performed or operations. If the oper indonment Notices mu uil inspection.)	itally, give subsurface focat provide the Bond No. on f ration results in a multiple o ist be filed only after all rec	tions and measured a file with BLM/BIA, completion or recom	nd rue vertical depths (Required subsequent re pletion in a new interva s reclamation, have been OIL CONS JUN ACCEPTI JUN	pl'all pertinent markers an ports mûst be filed within 1, a Form 3160-4 must be n commleted and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion of testing has been compl determined that the site stached please find com	en directionally which the work of the involved ered, Final Abs i is feady for fir apletion details	or recomplete horizon c will be performed or operations. If the oper indonment Notices mu uit inspection.) i for this well on an ir	nally, give subsurface (bear provide the Bond No. on f ration results in a multiple o ist be filed only after all red ndividual stage basis.	tions and measured a file with BLM/BIA, completion or recom	nd rue vertical depths (Required subsequent re pletion in a new interva s reclamation, have been OIL CONS JUN ACCEPTI JUN	pl'all pertinent markers an pors milist be filed within I, a form 3160-if must be a conintered and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once
the proposal is to deep Arrielt the Bond under following completion of testing has been compl determined that the site stached please find com	en directionally which the work of the involved ered, Final Abs i is feady for fir apletion details	or recomplete horizon c will be performed or operations. If the oper indonment Notices mu uit inspection.) i for this well on an ir	inally, give subsurface (ocan provide the Bond No. on f ration results in a multiple o ist be filed only after all rea ndividual stage basis.	tions and measured a file with BLM/BIA, completion or recom	ind true vertical depths of Required Subsequent re- pletion in a new interva greelanallon, have been OIL CONS JUN ACCEPTH JUN FARMING BY:	pl'all pertinent markers an pors milist be filed within I, a form 3160-if must be a conintered and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once
the proposal is to deep Anach the Bond under following completion of testing has been compl determined that the site stached please find com stached please find com	en directionally which the work of the involved ered, Final Abs i is feady for fir apletion details	or recomplete horizon c will be performed or operations. If the oper indonment Notices mu uit inspection.) i for this well on an ir	nally, give subsurface (bear provide the Bond No. on f ration results in a multiple o ist be filed only after all rea ndividual stage basis.	tions and measured a file with BLM/BIA completion or recom guffremients, including	ind true vertical depths of Required Subsequent re- pletion in a new interva greelanallon, have been OIL CONS JUN ACCEPTH JUN FARMING BY:	pl'all pertinent markers an pors milist be filed within I, a form 3160-if must be a conintered and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion of testing has been compl determined that the site stached please find com	en directionally which the work of the involved ered, Final Abs i is feady for fir apletion details	or recomplete horizon c will be performed or operations. If the oper indomuent Notices mu all inspection.) is for this well on an it for this well on an it	nally, give subsurface (bear provide the Bond No. on f ration results in a multiple o ist be filed only after all rec ridividual stage basis. CONF basis Trule 1 Date	tions and measured a file with BLM/BIA completion or recom guffremients, including President, Chuza Q 06/04/2014	ind true vertical depths of Required subsequent re- pletion in a new interva s reclamation, have been OIL CONS JUN ACCEPTI JUN FARMING BY:	pl'all pertinent markers an pors milist be filed within I, a form 3160-if must be a conintered and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion of testing has been compl determined that the site stached please find com attached please find com starick Padilla Signature	en directionally which the work of the involved ered, Final Abs i is feady for fir apletion details	or recomplete horizon c will be performed or operations. If the oper indomuent Notices mu all inspection.) is for this well on an it for this well on an it	nally, give subsurface (bear provide the Bond No. on f ration results in a multiple o ist be filed only after all rea ndividual stage basis.	tions and measured a file with BLM/BIA completion or recom guffremients, including President, Chuza Q 06/04/2014	ind true vertical depths of Required subsequent re- pletion in a new interva s reclamation, have been OIL CONS JUN ACCEPTI JUN FARMING BY:	pl'all pertinent markers an pors milist be filed within I, a form 3160-if must be a conintered and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion of testing has been compl determined that the site stached please find com attached please find com startick Padilla Signature	en directionally which the work of the involved ered, Final Abs is feady for fir apletion details	tor recomplete horizon c will be performed or operations. If the oper indomuent Notices mu all inspection.) is for this well on an ir for this well on an ir This space	itally, give subsurface (bear provide the Bond No. on f ration results in a multiple o ist be filed only after all rea individual stage basis.	tions and measured a file with BLM/BIA completion or recom guffremients, including President, Chuza Q 06/04/2014	ind true vertical depths of Required subsequent re- pletion in a new interva reclaimalion, have been OIL CONS JUN ACCEPTI JUN FARMING BY: DII Company	pl'all pertinent markers an pors milist be filed within I, a form 3160-if must be a conintered and the opera 5. DIV DIST. 3 17 2014 ED FOR RECORD 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once
the proposal is to deep Attach the Bond under following completion of testing has been compl determined that the site stached please find con- stached please find con- startick Padilla Signature pproved by additions of approval. If any a the applicant holds legal of the the applicant to conduct	en directionally which the work of the involved ered, Final Abs is ready for fin apletion details diregoing is true : direction details	or recomplete horizon c will be performed or operations. If the oper indomnent Notices mu al inspection.) is for this well on an in this well on an in THIS SPAC	inally, give subsurface (bear provide the Bond No. on f ration results in a multiple of strbe filed only after all rea individual stage basis.	tions and measured a file with BLM/BIA. completion or recom guffrements, including President, Chuza C 06/04/2014 OR STATE OF file	Ind true vertical depths of Required subsequent re- pletion in a new interva greelanation, have been OIL CONS JUN ACCEPTI JUN FARMING BY: DII Company	pl'all pertinent markers an ports milist be filed within t, a Form 3160-4 must be a compléted and the opera 5. DIV DIST. 3 1 7 2014 ED FOR RECORD V 0 4 2014 STON FIELD OFFICE	d zones. 30 dáys filed once jor hús

Northeast Hogback Unit #74H Completions Summary : API 30-045-34755

Total

12,383.8 bbls of Treating Fluid (GW-27 20 PPT).

11,984 Mscf of Nitrogen

2,750,434 pounds of 20/40 Brown Sand

Stage 1

Perfs 4867' 4884' 106 bbls of Treating Fluid 0 scf of Nitrogen 0 pounds of 20/40

Stage 2	Perfs 4596' - 4757'
837	bbls of Treating Fluid
877	Mscf of Nitrogen
202,620	pounds of 20/40

Stage 3	Perfs 4379' - 4541'
1,144.3	bbls of Treating Fluid
886	Mscf of Nitrogen
199,900	pounds of 20/40

Stage 4	Perfs 4163'-4328'
666	bbls of Treating Fluid
824	Mscf of Nitrogen
187,533	pounds of 20/40

Stage 5Perfs3950-4100'731bbls of Treating Fluid731,000Mscf of Nitrogen211,953pounds of 20/40

Stage 6 Perfs 3740-3886 746 bbls of Treating Fluid Perforating/Plug tool was stuck in the RSI. Set plug at 4884' and all shots fired to avoid leaving live guns in the hole



	. ·
902	Mscf of Nitrogen
218,577	pounds of 20/40
Stage 7	Perfs 3510-3677
696.3	bbls of Treating Fluid
830	Mscf of Nitrogen
198,491	pounds of 20/40
Stage 8	Perfs 3299-3461
709.8	bbls of Treating Fluid
879	Mscf of Nitrogen
203,712	pounds of 20/40
	· ·
Cha 0	
Stage 9	Perfs 3083-3245
724.6	bbls of Treating Fluid
867	Mscf of Nitrogen
208,711	pounds of 20/40
Stage 10	Perfs 2867-3029
1046	bbls of Treating Fluid
883	
196,354	
130,334	pounds 01 20/40
Stage 11	Perfs 2651-2815
1006	bbls of Treating Fluid
872	Mscf of Nitrogen
195,496	pounds of 20/40
	e e e
Stage 12	Perfs 2440-2588
1029	
832	
188,316	pounds of 20/40

Stage 13Perfs2211-2381997.5bbls of Treating Fluid885Mscf of Nitrogen196,382pounds of 20/40

CONFIDENTIAL

r

Perfs	2000-2165		
bbls of	Treating Fluid		
Mscf of Nitrogen			
pound	s of 20/40		
	bbls of Mscf o		

Stage 15Perfs1787-1949917.6bbls of Treating Fluid924Mscf of Nitrogen154,523pounds of 20/40

RU flowback crew, MIRU completion unit and drill out plugs to 4884'.

Run 2-7/8" 6.5# J-55 tubing to 1791'. Run pump and rods.

CONFIDENTIAL

District I 1625 N. French District II	Dr., Hobb	Mobbs, NM 88240 State of New Mexico Energy, Minerals & Natural Resources						Form C-104 Revised August 1, 2011			
811 S. First St., District III	Artesia, N	M 88210		0	l Conservatio	n Division		Submit	one co	opy to appro	opriate District Office
1000 Rio Brazos	Rd., Azte	c, NM 8741()		20 South St.					[•	MENDED DEDODT
District IV 1220 S. St. Fran	cis Dr Ss	anta Fe NM	87505		Santa Fe, N		•				MENDED REPORT
1220 5. 51. 114	I.				LOWABLE		THO	RIZATION	то	TRANS	PORT
¹ Operator n								² OGRID Nur			
						279508					
1000 Cordov Santa Fe, N		\$376						³ Reason for I	Filing Well		tive Date
⁴ API Numb		5 Po	ol Name	<u> </u>				110		Pool Code	
30 - 045-34			seshoe Gal	lup					32	870	
⁷ Property C	ode	8 Pr	operty Nar	ne					9	Well Numbe	
309					Northeast Hog	back Unit					74H
II. ¹⁰ Su				T. A. T.L.	Dent Course the	North/Sou	41.	East from the	Fast	/West line	Country
Ul or lot no. H	Section 10	Township 30N	Range 16W	Lot Idn	Feet from the 2270'	North/Sou Line	tn	Feet from the 330	East		County San Juan
	10	501	10 **		2210	North		550	Lasi		San Suan
¹¹ Bo	ttom He	ole Locati	ion	I							
UL or lot	Section	-	0	Lot Idn	Feet from the			Feet from the		/West line	County
no. B	15	30N	16W		177'	North	(2387')	East		San Juan
	lln. i			onnection	15 G 100 D	·	16			17.0.10	
¹² Lse Code F		cing Method Code		ate	¹⁵ C-129 Pern	nit Number	·• (C-129 Effective	Date	··· C-12	29 Expiration Date
L		<u>Р</u>		/ <u>A</u>							
III. Oil :		s Transpo	orters		¹⁹ Transpor	ton Nomo					²⁰ O/G/W
OGRID	ter				and Ad						0/6/ ₩
304424				-				Annual apparts			0
			•							;	
			2	-							
266533					and the second	ALL CLASS DESCRIPT	7 HIBUN &	illanuar i			0
				873 6	outh Detroit Ave						
							/ 71.4	· · · · · · · · · · · · · · · · · · ·			
						OIL CONS.	DIV	DIST. 3			
]					JUN 3		2014			

IV. Well Completion Data

²¹ Spud Date 11/29/13	²² Ready Date 5/22/2014			²⁵ Perforations Top: 1,787' MD	²⁶ DHC, MC
		TVD	4953' MD/ 1489' 	Bottom: 4,884' MD	
27 Hole Size	e ²⁸ Casing	& Tubing Size	²⁹ Depth Set	t	³⁰ Sacks Cement
12 1/4"	9 5/8"	, 40.0#, J-55	211'	_	130sx
8 3/4"	5 1/2'	', 17#, N-80	5000'		1220sx
	2 7/8"	² , 6.5#, J-55	1791'		

V. Well Test Data

³¹ Date New Oil 5/21/14	³² Gas Delivery Date N/A	³³ Test Date 5/22/2014	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 35 psi	³⁶ Csg. Pressure 100 psi
³⁷ Choke Size 2"	³⁸ Oil 56 bbls	³⁹ Water 193 bbls	⁴⁰ Gas N/A		⁴¹ Test Method Pumping
been complied with	at the rules of the Oil Conse and that the information give of my knowledge and belief	en above is true and	OII Approved by:	CONSERVATION DIVIS	SION
Printed name: Patrick Padilla Title: President, Chuza Oi	l Company		Approval Da	ENIED Vermersch	
E-mail Address: plpadilla@chuzaoil.c Date: 06/02/201	com Phone:		DATE LO.	<u>) </u>	13

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87

State of New Mexico Energy, Minerals & Natural Resources

Submit one copy to appropriate District Office

AMENDED REPORT

13th lot 1 1			
220 S. St.	Francis Dr., Sant	a Fe, NM 87505	
	T	DEOLIEST FOD	A 1

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 CLL OWARLE AND AUTHORIZATION TO TRANSPORT

¹ Operator n	I. amo and		UESI FU	IN ALL	OWADLE	AND AUT	no	² OGRID Nur		I NAI 151		
Chuza Oil C		Auuress				279508						
1000 Cordov		iling (Code/ Effect	tive Date								
Santa Fe, NN	4 87505								Well - (
⁴ API Numbe	er	5 F	Pool Name	ool Code								
30 - 045-34	755	He										
⁷ Property C	ode	⁸ Property Name ⁹ Well Number										
309		Northeast Hogback Unit 74H										
<u>II. ¹⁰ Su</u>	rface L	ocation										
Ul or lot no.		Townsh		Lot Idn				Feet from the		West line	County	
Н	10	30N	16W		2270'	North		330	East		San Juan	
¹¹ Bo	ttom H	ole Loca	ation									
UL or lot no.		Townsh	ip Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/	West line	County	
В	15	30N	16W		186'	North		2380'	Sout	h	San Juan	
¹² Lse Code		ucing Metho		onnection	¹⁵ C-129 Pern	nit Number	¹⁶ (C-129 Effective	Date	ite ¹⁷ C-129 Expiration Date		
F		Code P		ate /A								
III. Oil a	und Ga	s Transp	orters							····		
¹⁸ Transpor	ter				¹⁹ Transpor	ter Name					²⁰ O/G/W	
OGRID					and Ad	dress						
304424					Associated End	ergy Services					0	
			2	105 City	West Blvd, Ste	100, Houston,	TX 7	7042				
266533	 -				Pacer Energy	Marketing					Ο	
And and a second	E COR			823 S	outh Detroit Av	e, Tulsa, OK	74120)			i si	
								S. DIV DIST.	3		a	
							JUN	1 3 2014			the state of the s	

IV. Well Completion Data

²¹ Spud Date	22 Rea	ady Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
11/29/13	5/22/2	2014	5000' MD/ 1489'	4953' MD/ 1489'	Top: 1,787' MI	
			TVD	TVD	Bottom: 4,884' N	1D
²⁷ Hole Size	;	²⁸ Casing	& Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4"		9 5/8'',	40.0#, J-55	211'		130sx
8 3/4"		5 1/2"	, 17#, N-80	5000'		1220sx
		2 7/8"	, 6.5#, J-55	1791'		
· · · · · · · · · · · · · · · · · · ·						

V. Well Test Data

³¹ Date New Oil 5/22/14	³² Gas Delivery Date N/A	³³ Test Date 5/22/2014	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 3 5 psi	³⁶ Csg. Pressure 100 psi			
³⁷ Choke Size 2''	³⁸ Oil 56 bbls	³⁹ Water 193 bbls	⁴⁰ Gas N/A	⁴¹ Test Method Pumping				
been complied with a	t the rules of the Oil Conse and that the information giv of my knowledge and belie	en above is true and	OIL CONSERVATION DIVISION Approved by: Church Kin 6-20-2014					
Printed frame: Patrick Padilla			Title: SUFERVISOR DISTRICT # 3					
Title: President, Chuza Oil E-mail Address:	Company		Approval Date: JUN 2	0 2014				
plpadilla@chuzaoil.c	com							
Date: 06/02/201	Phone: 4 505-690-7803							

	UNITED STATI PARTMENT OF THE REAU OF LAND MAN	INTERIOR	03 2]1	0 میں ا	DRM APPROVED MB No. 1004-0137 bires: October 31, 2014
Do not use this a	NOTICES AND REP form for proposals Use Form 3160-3 (A	ORTS ON WELLS to drill or to re-enter ai APD) for such proposa	n Piriri (Ist Mana	6If Indian, Allottee or	Tribe Name
SUBMI	T IN TRIPLICATE - Other	r instructions on page 2.	· · · · · ·	7. If Unit of CA/Agreen	nent, Name and/or No.
1. Type of Well	A			NMNM-78403A	
Oil Well 🔲 Gas V	Well Other			8. Well Name and No. Northeast Hogback U	Init #74H
2. Name of Operator Chuza Oil Company				9. API Well No. 30-045-34755	
3a. Address 1000 Cordova Place #376, Santa Fe, NM 8750	5	3b. Phone No. (include area co 505-690-7803	ode)	10. Field and Pool or Ex 32870 Horsehoe Gall	
4. Location of Well <i>(Footage, Sec., T.,</i> SHL: Unit Letter H, 2270' FNL, 330' FEL Sec. 10, T30N, R16W, NMPM	R., M., or Survey Description BHL: Unit Letter B, 186' FNL, 23 Sec. 15, T30N, R16W, NMPM	7) 380' FEL		 County or Parish, St San Juan County, Ne 	
12. CHEC	CK THE APPROPRIATE BO	OX(ES) TO INDICATE NATUR	E OF NOTIC	CE, REPORT OR OTHE	R DATA
TYPE OF SUBMISSION		Ту	PE OF ACT	ION	
Notice of Intent	Acidize	Deepen Fracture Treat	_	uction (Start/Resume) amation	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Construction	_	mplete porarily Abandon	Other
Final Abandonment Notice	Convert to Injection	Plug Back		er Disposal	
13. Describe Proposed or Completed C the proposal is to deepen direction Attach the Bond under which the v following completion of the involv testing has been completed. Final determined that the site is ready for	ally or recomplete horizonta work will be performed or pr ved operations. If the operat Abandonment Notices must	Illy, give subsurface locations and rovide the Bond No. on file with h tion results in a multiple completion	l measured an BLM/BIA. R on or recomp	nd true vertical depths of Required subsequent repo letion in a new interval, a	all pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once
The Northeast Hogback Unit #74H	was first delivered on May	/ 22, 2014.			
			OILCON	s. DIV DIST. 3	
			JUL	N 092014	
14 1 h	true and correct. Marrie (D. 1.)	ad/Trunad)			·····
14. I hereby certify that the foregoing is Patrick Padilla	true and correct. Name (Print	earrypea)			

.

Titl	e President, Chuza C	Jil Company
Signature Date	e 06/02/2014	
THIS SPACE FOR FEDERA	L OR STATE OF	FICE USE
Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	Accepted for record
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	knowingly and willfully	to make to any department or agency of the United States any false.
(Instructions on page 2)		FARMINGTON



FARMINGTON PIELO OFFICE BY:_____

Form 3160-4	
rom 3100-4	
(March 2012) - 👘 🚿	

UNITED STATES DEPARTMENT OF THE INTERIOR



FORM APPROVED OMB NO. 1004-0137 Expires: October 31, 2014

						LAND MA					JU	IN O	4 20	14				004-0137 er 31, 2014
	W	ELL (COMP	LETIC	ON OR F	RECOMPLE	ETI	ON REF	PORT		LOG			5. I NM	Lease Se INM-07			
la. Type of b. Type of	Well Completior		Dil Well New Wel		Gas Well Work Over	Dry Deepen	☐ C ☐ P)ther lug Back	🗌 🖂	urea	JOI	and	Mana	<u>Jane</u> Igeme	f Indian	, Allottee or	Trib	e Name
		C	Other:											7. U NM	Unit or O INM-78	CA Agreeme 403A 🖌	nt Na	ime and No.
2. Name of Chuza Oil	Operator Company	/									-					ime and We Hogback		
3. Address	1000 Cordo	va Place	#376, Sar	nta Fe, NN	A 87505				Phone 1		lude ar	ea cod	e)	9. A	VPI Wel			
4. Location	of Well (R	leport lo	cation cl	early an	d in accord	lance with Fede	ral i	eauiremen			י עור	אטר	0	10.	Field ar	nd Pool or E	xplor	atory
At surfac	^{:e} 2270' F	NL, 33	0' FEL,	Sec. 10	D, 30N, 16	5W				140.1	ז אול	JOI.	. 3	11.	Sec., T.	, R., M., on	Block	and 30N, R16W, NMPM
	. 1. 5			2527' F	SL, 648'	FEL, Sec 10,	301	I, 16W	JU	NI	7 20	14					, .	
• •	od. interval	•			45 201	1014										or Parish		13. State
At total d 14. Date Sp	epth 177'	FNL, 2			D Reache			116 D	ate Com	oleted						County	(R R	NM T. GL)*
11/29/201 18. Total D	3		1:	2/12/20	13	ug Back T.D.;	NAS]D & A			to Prod		GL	5,562			1, 00,
	TV	D 148	9					D 4953 D 1489				-	ridge Plu	-	MD TVD	N/A		
21. Type E Electronic	: Logs										1	Was DS	ll cored? T run? nal Surve	۱ 🔽	10	Yes (Subm Yes (Subm Yes (Subm	it rep	ort)
23. Casing Hole Size	and Liner I		<u>(Report a</u> Wt. (#/ft.		op (MD)	Bottom (MI	2)	Stage Ce			of Sks			y Vol.	Cen	nent Top*		Amount Pulled
12-1/4"	9-5/8" J		40.0 pp	_		211'	- /	Dep N/A	oth	Туре 130 s	of Ce acks	inent	(B N/A	BL)	CIR		N/A	
8-3/4"	5-1/2" N		17 ppf	Surf	ace	5000' 🗕		N/A		1220	sacks		293 BE	3L	CIR	-	N/A	\
<u> </u>			- <u></u>												ļ			
						<u>-</u>									<u> </u>			
·····					<u></u>								•					
24. Tubing Size		Set (ME	D) Pau	ker Dept	th (MD)	Size		Depth Set	(MD)	Packer	Depth	(MD)	Śi	ze	Dev	th Set (MD)	T.	Packer Depth (MD)
2-7/8"	1791'					-												
25. Produci	ing Intervals Formatio			T	op	Bottom			foration I orated In			1	Size	No.	Holes		Pe	rf. Status
A) Lower	Gallup Sa	ndston	e	1787'		4884' 🖌		1787'-48	84' MD			.4"		720		Open		
B) C)						·w					····			-				
D)											···· · · ·							
27. Acid, F			Cement	Squeeze,	etc.						1.T					•		
1787'-488	Depth Inter 4'	vai		12,384	bbl of 700	Q Linear Gel I	Foa	m with 2,		mount # of 20		<u> </u>		/				
																		······
											n.e							
28. Product																		
Date First Produced	Test Date	Hours Tested	Test Proc		Oil BBL	Gas MCF	Wa BB		Oil Grav Corr. Al		Ga Gr	is avity		duction M mping	1ethod			
5/22/14	5/22/14	24			56 -	NA	19	3 -	NA		N	A		1 0				
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 I Rate		Oil BBL	Gas MCF	Wa BB		Gas/Oil Ratio			ell Stati umpin						
NA	SI NA			-	56	NA	19		NA			ampin	Э					
28a. Produc		NA val B	<u>l</u>	-	1.00		1.3											· · · · · · · · · · · · · · · · · · ·
Date First Produced	Test Date	Hours Tested	Test Proc		Oil BBL	Gas MCF	Wa BB		Oil Grav Corr. Al		Ga Gr	is avity	Pro	duction M	lethod			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 F Rate		Oil BBL		Wa BB		Gas/Oil Ratio		W	ell Stati	.is		A	CCEPTEI) FC	OR RECORD

*(See instructions and spaces for additional data on page 2)

JUN 0 4 2014

NMOCD A

FARMINGTON FIELD OFFICE

	<u> </u>								
28b. Prod	uction - Inte	rval C							
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
•									
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
28c. Prod	uction - Inte	rval D							
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced	1	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
				1					
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio		
	SI								
				·					

31. Formation (Log) Markers

29. Disposition of Gas (Solid, used for fuel, vented, etc.) Vented

1*

30. Summary of Porous Zones (Include Aquifers):

.

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

The	Detterr	Description Contents of	N	Тор
Тор	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
			Mesa Group	Surface
			Upper Mancos Shale	280'
			Upper Gallup Sandstone	1480'
			Mancos Shale	1518'
			Lower Gallup Sandstone	1582'
			Mancos Shale	1614'
	Тор	Top Bottom		Image:

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a ch	eck in the appropriate boxes:			
Electrical/Mechanical Logs (1 full set req'd.)	Geologic Report	DST Report	Directional Survey	
Sundry Notice for plugging and cement verification	Core Analysis	Other:		
34. I hereby certify that the foregoing and attached informat	ion is complete and correct as	determined from all availa	able records (see attached instructions)*	
Name (please print) Patrick Padilla	Tit	e President, Chuza	Oil Company	
Signature	Da	e <u>6-2-</u>	14	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 12 false, fictitious or fraudulent statements or representations as			Ily to make to any department or agency of the United States an	

BUR ↔ SUNDRY N Do not use this t	form for proposals a	INTERIOR NAGEMENT JUN 0 ORTS ON WELLS	n / 👘 了	c	ORM APPROVED DMB No. 1004-0137 pires: October 31, 2014 Tribe Name	
abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE – Other instructions on page 2.				7. If Unit of CA/Agreement, Name and/or No.		
1. Type of Well		NMNM-78403A				
Gas Well Gas Well Other				8. Well Name and No. Northeast Hogback Unit #74H		
2. Name of Operator Chuza Oil Company				9. API Well No. 30-045-34755		
3a. Address 1000 Cordova Place #376, Santa Fe, NM 87505		3b. Phone No. <i>(include area c</i> 505-690-7803	ode) 10. Field and Pool or 32870 Horsehoe G			
4. Location of Well <i>(Footage, Sec., T.,</i> SHL: Unit Letter H, 2270' FNL, 330' FEL Sec. 10, T30N, R16W, NMPM	11. County or Parish 0' FEL San Juan County,					
12. CHEC	CK THE APPROPRIATE BO	OX(ES) TO INDICATE NATU	RE OF NOTIO	CE, REPORT OR OTHE	ER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION					
Notice of Intent	Acidize	Dcepen Fracture Treat	_	oduction (Start/Resume) Water Shut-Off eclamation Well Integrity		
Subsequent Report	Casing Repair	New Construction	=	complete \overrightarrow{O} Other final plat		
Final Abandonment Notice	Convert to Injection	Plug Back		tter Disposal		
13. Describe Proposed or Completed O the proposal is to deepen direction Attach the Bond under which the v following completion of the involv testing has been completed. Final determined that the site is ready for	ally or recomplete horizontal vork will be performed or pr red operations. If the operati Abandonment Notices must	Ily, give subsurface locations and ovide the Bond No. on file with ion results in a multiple complet	d measured ar BLM/BIA. R ion or recomp	nd true vertical depths of Required subsequent repo letion in a new interval,	all pertinent markers and zones. The must be filed within 30 days Form 3160-4 must be filed once	
Attached please find the final well lo	ocation and acreage dedic	cation plat for the Northeast H	-			
			66		л	

ACCEPTED FOR RECORD

JUN 0 4 2014

FARMINGTON FIELD OFFICE BY: TL Salyers



OIL CONS. DIV DIST. 3

JUN 17 2014

14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>) Patrick Padilla	le President, Chuza Oil	Company				
Signature Da	te 06/02/2014					
THIS SPACE FOR FEDERAL OR STATE OFFICE USE						
Approved by						
	Title	Date				
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certif that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	n knowingly and willfully to	make to any department or agency of the United States any false,				

(Instructions on page 2)



District I 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First Street, Artesia, NM 88210 Dhone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Road, Aztec. NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Drive, Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Drive Santa Fe, NM 87505

Form C-102 Revised August 1, 2011

,

Submit one copy to Appropriate District Office

AMENDED REPORT

OIL CONS. DIV DIST. 3

