

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD

Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM27506	
2. Name of Operator CHEVRON USA INCORPORATED ✓		6. If Indian, Allottee or Tribe Name	
3a. Address 15 SMITH ROAD MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 432-687-7375		8. Well Name and No. ✓ SALADO DRAW 29 26 33 FED COM 3H	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T26S R33E NENW 200FNL 1333FWL ✓		9. API Well No. ✓ 30-025-42638-00-X1 ✓	
10. Field and Pool, or Exploratory WC025G06S263319P-BONE SPRING		11. County or Parish, and State LEA COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/04/2015: SPUD WELL @ 22:30 HRS. DRILL SURFACE HOLE TO 135'. NOTIFIED PAUL FLOWERS OF BLM @ 9:30 AM OF INTENT TO SPUD.

10/05/2015: DRILL 135-853. NOTIFIED PAUL FLOWERS OF BLM OF INTENT TO RUN CSG.

RAN 13 3/8", 48#, H-40, STC SURFACE CSG SET @ 843.

CEMENT W/1005 SX (238 BBLs) CLASS C TAIL CMT @ 14.8PPG. CALC 126 BBLs. FULL RETURNS THROUGHOUT JOB.

FINAL CIRC PRESS PRIOR TO BUMP PLUG 254 PSI @ 2 BPM. 485 SX OF CMT RETURNED TO SURFACE. CMT IN PLACE @ 23:30 HRS 10/06/2015.

10/26/2015: TEST BOPE TO 250 PSI LOW/5000 PSI HIGH (3500 PSI HIGH ON ANNULAR) TEST CSG TO 1200 PSI FOR 30 MINS-GOOD.

10/27/2015: DRILL 10' NEW FORMATION TO 853. DRILL 853-1056, 1630, 2050, 2535.

10/28/2015: DRILL INTERMEDIATE HOLE 2535-2784, 2961, 3215, 3475, 3802, 3942, 4118, 4469, 4720, 4765. ✓

Tax on production?

14. I hereby certify that the foregoing is true and correct. Electronic Submission #347798 verified by the BLM Well Information System For CHEVRON USA INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by JENNIFER SANCHEZ on 08/24/2016 (16JAS0489SE)	
Name (Printed/Typed) DENISE PINKERTON	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 08/15/2016
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
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 _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #347798 that would not fit on the form

32. Additional remarks, continued

10/30/2015: RAN 9 5/8" INTERMEDIATE CSG SET @ 4755'. NOTIFIED BLM OF INTENT TO RUN CSG ON
10/30/2015 @ 05:15 HRS.
CMT W/1082 SX LEAD @ 11.9PPG. MIX & PUMP 460 SX OF TAIL @ 14.8PPG. BUMP PLUG W/512 PSI OVER FINAL
CIRC PRESS @ 1752PSI. FULL RETURNS THROUGHOUT JOB. FINAL CIRC PRESS PRIOR TO BUMP PLUG 1240 PSI @
2.1BPM. 185 SX OF CMT RETURNED TO SURF. NOTIFIED BLM @ 11:00 HRS OF INTENT TO CMT INTER CSG.
10/31/2015: WOC PERF BLM REQUIREMENT. PRESS TEST CSG TO 2500PSI FOR 30 MINS. GOOD. WASH CMT
4667-TOP OF FC @ 4676. DRILL 10' NEW FORMATION TO 4766.
DRILL 8 3/4" VERTICAL SECTION 4766-4873, 5373, 6342, 7102, 7761, 8046, 8257,
8560, 8708, 8744, 8944, 9181, 94-3, 9525, 9737, 9852, 10071, 10506, 11184, 11580, 12201, 12,378,
12775, 13176, 13548, 14063, 14068, 14427, 14773, 15305, 15752, 15925, 16489.
11/11/2015: RAN 5 1/2", 20#, HCT-110, TENARIS XP BTC SET @ 16,474.
11/12/2015: CEMENT W/645SX & 1453 SX LEAD CMT & 121 SX TAIL CMT. GOOD RETURNS TO 240 BBLS
DISPLACEMENT. LOST RETURNS @ 240 BBLS DISPLACEMENT. TEST TO 5000PSI FOR 15 MINS. GOOD.
RIG RELEASED @ 12:00 HRS 11/13/2015.

CASING AND CEMENTING SUMMARY ATTACHED.
DIRECTIONAL DRILL SURVEY ATTACHED.



Casing Summary

Well Name SALADO DRAW 29-26-33 FED COM 003H		Lease Salado Draw 29-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent	
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Surface, Planned? - N, 843ftKB

Set Depth (MD) (ftKB) 843		Set Tension (kips)		String Nominal OD (in) 13 3/8		String Min Drift (in) 12.583		Centralizers 10		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	OUT	13 3/8	12.715	48.00	H-40	ST&C	-3	-3	0.00		740.0
1	Landing joint & wellhead	13 3/8	12.715	48.00	H-40	ST&C	-3	42	45.36		740.0
18	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	42	799	757.28		740.0
1	Float Collar	13 3/8	12.715	48.00	H-40	ST&C	799	801	1.39		740.0
1	Casing Joint	13 3/8	12.715	48.00	H-40	ST&C	801	842	40.79		740.0
1	Float Shoe	13 3/8	12.710	48.00	H-40		842	843	1.40	1,730.0	740.0

Intermediate Casing 1, Planned? - N, 4,755ftKB

Set Depth (MD) (ftKB) 4.755		Set Tension (kips)		String Nominal OD (in) 9 5/8		String Min Drift (in) 8.688		Centralizers 32		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Casing Joint	9 5/8	8.844	40.00	HCK-55	LT&C	-6	-6	0.00	3,950.0	4,230.0
1	Landing Joint	9 5/8	8.844	40.00	HCK-55	LT&C	-6	35	41.60	3,950.0	4,230.0
1	Mandrel Hanger	9 5/8	8.844	40.00	HCK-55	LT&C	35	36	0.80	3,950.0	4,230.0
1	Pup Joint	9 5/8	8.844	40.00	HCK-55	LT&C	36	40	4.15	3,950.0	4,230.0
11 9	Casing Joint	9 5/8	8.844	40.00	HCK-55	LT&C	40	4,676	4,636.14	3,950.0	4,230.0
1	Float Collar	9 5/8	8.844	40.00	HCK-55	LT&C	4,676	4,678	1.18	3,950.0	4,230.0
2	Casing Joint	9 5/8	8.844	40.00	HCK-55	LT&C	4,678	4,753	75.76	3,950.0	4,230.0
1	Float Shoe	9 5/8	8.844	40.00	HCK-55	LT&C	4,753	4,755	1.63	3,950.0	4,230.0

Production Casing, Planned? - N, 16,474ftKB

Set Depth (MD) (ftKB) 16.474		Set Tension (kips)		String Nominal OD (in) 5 1/2		String Min Drift (in)		Centralizers 93		Scratchers	
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)	Len (ft)	P Burst (psi)	P Collapse (psi)
1	Pup Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	-1,018	-1,018	0.00		
1	Marker Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	-1,018	-1,018	0.00		
1	Casing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	-1,018	-1,018	0.00		
1	Landing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	-1,018	-979	39.49		
1	Hanger	5 1/2	4.781	20.00	P-110	Buttress Thread	-979	-979	0.25		
1	Pup Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	-979	-976	3.08		
23 8	Casing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	-976	8,669	9,644.55		
1	Marker Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	8,669	8,674	5.15		
18 8	Casing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	8,674	16,299	7,624.57		
1	Pup jt	5 1/2	4.781	20.00	P-110	Buttress Thread	16,299	16,309	10.20		
1	RSI tool	5 1/2	4.781	20.00	P-110	Buttress Thread	16,309	16,316	6.65		
1	Pup jt	5 1/2	4.781	20.00	P-110	Buttress Thread	16,316	16,326	10.13		
1	Casing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	16,326	16,366	40.54		
1	Pup jt	5 1/2	4.781	20.00	P-110	Buttress Thread	16,366	16,377	10.35		
1	Landing Collar	5 1/2	4.781	20.00	P-110	Buttress Thread	16,377	16,378	1.46		
1	Casing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	16,378	16,421	43.41		
1	Float Collar	5 1/2	4.781	20.00	P-110	Buttress Thread	16,421	16,424	2.46		
1	XRV tool	5 1/2	4.781	20.00	P-110	Buttress Thread	16,424	16,429	5.51		
1	Casing Joint	5 1/2	4.781	20.00	P-110	Buttress Thread	16,429	16,472	42.97		
1	Float Shoe	5 1/2	4.781	20.00	P-110	Buttress Thread	16,472	16,474	1.59		



Cement Summary

Production Casing Cement

Well Name SALADO DRAW 29-26-33 FED COM 003H	Lease Salado Draw 29-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft) Water Depth (ft)

Original Hole			
Wellbore Name Original Hole	Directional Type Horizontal	Min Kick Off Depth (ftKB) 8,708.0	Vertical Section Direction (°) 0.00
Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	
17 1/2	32.6	853.0	
12 1/4	853.0	4,765.0	
8 3/4	4,765.0	16,489.0	

VG-Horizontal, Vetco Gray on 12/19/2014 03:30

Sub-Type VG-Horizontal	Install Date 12/19/2014			
Des	Make	Model	WP (psi)	Service SN

Surface, Planned? -N, 843ftKB

Casing Description Surface	Wellbore Original Hole	Run Date 10/5/2015	Set Depth (MD) (ftKB) 843	Stick Up (ftKB) 3.2	Set Tension (kips)
Centralizers 10	Scratchers				

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	OUT	13 3/8	12 7/15	48.00	H-40		ST&C	0.00	-3	-3
1	Landing joint & wellhead	13 3/8	12 7/15	48.00	H-40		ST&C	45.36	-3	42
18	Casing Joint	13 3/8	12 7/15	48.00	H-40		ST&C	757.28	42	799
1	Float Collar	13 3/8	12 7/15	48.00	H-40		ST&C	1.39	799	801
1	Casing Joint	13 3/8	12 7/15	48.00	H-40		ST&C	40.79	801	842
1	Float Shoe	13 3/8	12 7/19	48.00	H-40			1.40	842	843

Intermediate Casing 1, Planned? -N, 4,755ftKB

Casing Description Intermediate Casing 1	Wellbore Original Hole	Run Date 10/30/2015	Set Depth (MD) (ftKB) 4,755	Stick Up (ftKB) 6.3	Set Tension (kips)
Centralizers 32	Scratchers				

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Casing Joint	9 5/8	8.844	40.00	HCK-55		LT&C	0.00	-6	-6
1	Landing Joint	9 5/8	8.844	40.00	HCK-55		LT&C	41.60	-6	35
1	Mandrel Hanger	9 5/8	8.844	40.00	HCK-55		LT&C	0.80	35	36
1	Pup Joint	9 5/8	8.844	40.00	HCK-55		LT&C	4.15	36	40
119	Casing Joint	9 5/8	8.844	40.00	HCK-55		LT&C	4,636.14	40	4,676
1	Float Collar	9 5/8	8.844	40.00	HCK-55		LT&C	1.18	4,676	4,678
2	Casing Joint	9 5/8	8.844	40.00	HCK-55		LT&C	75.76	4,678	4,753
1	Float Shoe	9 5/8	8.844	40.00	HCK-55		LT&C	1.63	4,753	4,755

Production Casing, Planned? -N, 16,474ftKB

Casing Description Production Casing	Wellbore Original Hole	Run Date 11/11/2015	Set Depth (MD) (ftKB) 16,474	Stick Up (ftKB) 1,018.4	Set Tension (kips)
Centralizers 93	Scratchers				

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Pup Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	0.00	-1,018	-1,018
1	Marker Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	0.00	-1,018	-1,018
1	Casing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	0.00	-1,018	-1,018
1	Landing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	39.49	-1,018	-979
1	Hanger	5 1/2	4.781	20.00	P-110		Buttress Thread	0.25	-979	-979
1	Pup Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	3.08	-979	-976
238	Casing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	9,644.55	-976	8,669
1	Marker Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	5.15	8,669	8,674
188	Casing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	7,624.57	8,674	16,299



Cement Summary

Production Casing Cement

Well Name SALADO DRAW 29-26-33 FED COM 003H	Lease Salado Draw 29-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft) Water Depth (ft)

Jts	Item Des	OD (in)	ID (in)	WT (lb/ft)	Grade	Top Conn Sz (in)	Top Thread	Len (ft)	Top Depth (MD) (ftKB)	Btm Depth (MD) (ftKB)
1	Pup jt	5 1/2	4.781	20.00	P-110		Buttress Thread	10.20	16,299	16,309
1	RSI tool	5 1/2	4.781	20.00	P-110		Buttress Thread	6.65	16,309	16,316
1	Pup jt	5 1/2	4.781	20.00	P-110		Buttress Thread	10.13	16,316	16,326
1	Casing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	40.54	16,326	16,366
1	Pup jt	5 1/2	4.781	20.00	P-110		Buttress Thread	10.35	16,366	16,377
1	Landing Collar	5 1/2	4.781	20.00	P-110		Buttress Thread	1.46	16,377	16,378
1	Casing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	43.41	16,378	16,421
1	Float Collar	5 1/2	4.781	20.00	P-110		Buttress Thread	2.46	16,421	16,424
1	XRV tool	5 1/2	4.781	20.00	P-110		Buttress Thread	5.51	16,424	16,429
1	Casing Joint	5 1/2	4.781	20.00	P-110		Buttress Thread	42.97	16,429	16,472
1	Float Shoe	5 1/2	4.781	20.00	P-110		Buttress Thread	1.59	16,472	16,474

Production Casing Cement, Casing, 11/12/2015 21:45

Cementing Start Date 11/12/2015	Cementing End Date 11/13/2015	Wellbore Original Hole
Evaluation Method Lift Pressure	Cement Evaluation Results Good returns to 240 bbls displacement. Lost returns @ 240 bbls displacement.	
Comment		

1, 4,387.0-16,489.0ftKB

Top Depth (ftKB) 4,387.0	Bottom Depth (ftKB) 16,489.0	Full Return? N	Vol Cement Ret (bbl) Y	Top Plug? N	Bottom Plug? N
Initial Pump Rate (bbl/min) 5	Final Pump Rate (bbl/min) 4	Avg Pump Rate (bbl/min) 5	Final Pump Pressure (psi) 1,478.0	Plug Pump Pressure (psi) 1,978.0	
Pipe Reciprocated? N	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated? N	Pipe RPM (rpm)	
Depth Tagged (MD) (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)	Drill Out Date	

Spacer

Fluid Type Spacer	Fluid Description	Quantity (sacks) 645	Class	Volume Pumped (bbl) 30.0
Estimated Top (ftKB) 4,387.0	Estimated Bottom Depth (ftKB) 4,387.0	Percent Excess Pumped (%)	Yield (ft ³ /sack) 2.65	Fluid Mix Ratio (gal/sack) 15.52
Free Water (%)	Density (lb/gal) 11.50	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Lead

Fluid Type Lead	Fluid Description	Quantity (sacks) 1,453	Class	Volume Pumped (bbl) 414.0
Estimated Top (ftKB) 4,387.0	Estimated Bottom Depth (ftKB) 9,247.0	Percent Excess Pumped (%) 50.0	Yield (ft ³ /sack) 1.60	Fluid Mix Ratio (gal/sack) 8.62
Free Water (%)	Density (lb/gal) 12.50	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Lead

Fluid Type Lead	Fluid Description	Quantity (sacks) 1,453	Class	Volume Pumped (bbl) 414.0
Estimated Top (ftKB) 9,247.0	Estimated Bottom Depth (ftKB) 15,533.0	Percent Excess Pumped (%) 50.0	Yield (ft ³ /sack) 1.60	Fluid Mix Ratio (gal/sack) 8.62
Free Water (%)	Density (lb/gal) 12.50	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)



Cement Summary

Production Casing Cement

Well Name SALADO DRAW 29-26-33 FED COM 003H	Lease Salado Draw 29-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft) Water Depth (ft)

Cement Fluid Additives

Add	Type	Conc

Tail

Fluid Type Tail	Fluid Description	Quantity (sacks) 121	Class	Volume Pumped (bbl) 46.8
Estimated Top (ftKB) 15,533.0	Estimated Bottom Depth (ftKB) 16,489.0	Percent Excess Pumped (%) 35.0	Yield (ft ³ /sack) 2.18	Fluid Mix Ratio (gal/sack) 9.54
Free Water (%)	Density (lb/gal) 15.00	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Displacement

Fluid Type Displacement	Fluid Description	Quantity (sacks)	Class	Volume Pumped (bbl) 363.5
Estimated Top (ftKB) 16,489.0	Estimated Bottom Depth (ftKB) 16,489.0	Percent Excess Pumped (%)	Yield (ft ³ /sack)	Fluid Mix Ratio (gal/sack)
Free Water (%)	Density (lb/gal) 8.33	Zero Gel Time (min)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 1514335

OPERATOR Chevron

WELL NAME Salado Draw 29-26-33 Fed Com 3H

COUNTY & STATE Lea County, NM

API WELL NUMBER 30-025-42638

PROPOSED DIRECTION 176.91

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
0 ft	.00 ft	.0 ft	.0 ft	.00 ft	.00 ft	Surface

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
5-Oct-15	189 ft	0.24	161.98

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
10-Nov-15	16,431 ft	88.04	179.17

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
10-Nov-15	16,489 ft	88.04	179.17

GREG MURST
PRINT YOUR NAME ABOVE

Greg Hurst

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.63
DECLINATION OR GRID	GRID

11/10/2015

TODAY'S DATE

MWD SUPERVISOR 1

Greg Hurst

DIRECTIONAL DRILLER 1

Keith Scheppler

MWD SUPERVISOR 2

Jeff Broussard

DIRECTIONAL DRILLER 2

Justin Jackson

12329 Cutten Road

Houston, Texas 77066

(713)337-0609 (Voice), (713)337-0599 (Fax)



Chevron

**Lea County, NM (NAD27 NME)
Salado Draw 29 26 33 Fed Com
3H - Slot 3H**

OH / Job 1514335

Survey: Phoenix MWD Surveys

Standard Survey Report

11 November, 2015





Phoenix Technology Services LP

Survey Report



Company: Chevron
 Project: Lea County, NM (NAD27 NME)
 Site: Salado Draw 29 26 33 Fed Com
 Well: 3H
 Wellbore: OH / Job 1514335
 Design: Surveys (Pace X30)

Local Co-ordinate Reference: Well 3H - Slot 3H
 TVD Reference: RKB @ 3242.00usft (Pace X30)
 MD Reference: RKB @ 3242.00usft (Pace X30)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass 5000 GCR

Project	Lea County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Salado Draw 29 26 33 Fed Com			
Site Position:		Northing:	372,173.00 usft	Latitude: 32° 1' 15.91374 N
From:	Map	Easting:	727,838.00 usft	Longitude: 103° 35' 53.52012 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.39 °

Well	3H - Slot 3H			
Well Position	+N-S	0.00 usft	Northing:	372,173.00 usft
	+E-W	0.00 usft	Easting:	727,888.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,215.00 usft

Wellbore	OH / Job 1514335			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)
	HDGM	10/7/2015	7.02	59.75
				Field Strength (nT) 48,070

Design	Surveys (Pace X30)			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.00	0.00	0.00	176.91

Survey Program	Data 11/11/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
189.00	16,489.00	Phoenix MWD Surveys (OH / Job 1514335)	PHX+MWD+HDGM	PHX+OWSG MWD + HDGM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189.00	0.24	161.98	189.00	-0.38	0.12	0.38	0.13	0.13	0.00
First Phoenix Survey									
375.00	0.23	181.78	375.00	-1.12	0.23	1.13	0.04	-0.01	10.65
560.00	0.23	204.17	560.00	-1.83	0.07	1.83	0.05	0.00	12.10
731.00	0.36	232.48	730.99	-2.47	-0.50	2.44	0.11	0.08	16.56
780.00	0.54	236.45	780.99	-2.74	-0.88	2.69	0.31	0.31	6.73
952.00	0.62	236.94	951.98	-3.64	-2.25	3.51	0.05	0.05	0.30
1,129.00	0.59	241.56	1,128.97	-4.59	-3.85	4.38	0.03	-0.02	2.61
1,308.00	0.50	261.50	1,305.97	-5.14	-5.42	4.84	0.12	-0.05	11.27
1,484.00	0.61	251.17	1,483.96	-5.56	-7.08	5.17	0.08	0.06	-5.80



Phoenix Technology Services LP

Survey Report



Company: Chevron
 Project: Lea County, NM (NAD27 NME)
 Site: Salado Draw 29 28 33 Fed Com
 Well: 3H
 Wellbore: OH / Job 1514335
 Design: Surveys (Pace X30)

Local Co-ordinate Reference: Well 3H - Slot 3H
 TVD Reference: RKB @ 3242.00usft (Pace X30)
 MD Reference: RKB @ 3242.00usft (Pace X30)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,881.00	0.71	288.24	1,880.95	-5.94	-9.07	5.44	0.11	0.06	8.51
1,839.00	0.97	288.42	1,838.93	-6.10	-11.67	5.47	0.15	0.15	0.10
2,016.00	1.13	285.10	2,015.90	-6.35	-14.91	5.53	0.09	0.09	-0.75
2,193.00	1.17	224.84	2,192.86	-7.78	-17.92	6.80	0.45	0.02	-22.75
2,370.00	0.08	88.16	2,369.85	-9.05	-19.07	8.01	0.69	-0.62	-77.22
2,547.00	0.31	83.82	2,546.85	-9.00	-18.47	7.99	0.13	0.13	-2.45
2,724.00	0.31	54.16	2,723.85	-8.67	-17.61	7.70	0.09	0.00	-16.76
2,901.00	0.31	10.83	2,900.85	-7.92	-17.13	6.98	0.13	0.00	-24.48
3,079.00	0.12	327.17	3,078.85	-7.29	-17.14	6.35	0.13	-0.11	-24.53
3,256.00	0.33	326.52	3,255.84	-6.71	-17.52	5.75	0.12	0.12	-0.37
3,434.00	0.28	254.89	3,433.84	-8.39	-18.22	5.40	0.20	-0.03	-40.24
3,611.00	0.82	123.68	3,610.84	-7.21	-17.59	6.25	0.58	0.31	-74.13
3,788.00	1.18	94.06	3,787.81	-8.04	-14.72	7.23	0.35	0.20	-16.73
3,966.00	1.57	80.69	3,965.76	-7.77	-10.48	7.20	0.28	0.22	-7.51
4,143.00	2.32	77.61	4,142.86	-6.61	-4.59	6.36	0.43	0.42	-1.74
4,321.00	2.55	79.18	4,320.50	-5.10	2.82	5.24	0.13	0.13	0.88
4,498.00	2.94	87.58	4,497.29	-4.17	11.22	4.77	0.32	0.22	4.75
4,675.00	3.19	92.30	4,674.04	-4.17	20.68	5.28	0.20	0.14	2.67
4,705.00	3.14	92.89	4,703.99	-4.25	22.33	5.45	0.20	-0.17	1.97
4,865.00	2.63	96.61	4,863.79	-4.89	30.36	6.52	0.34	-0.32	2.33
5,042.00	3.58	66.63	5,040.54	-3.17	39.46	5.29	1.04	0.54	-16.84
5,218.00	3.20	61.28	5,217.23	1.40	48.87	1.24	0.28	-0.21	-3.02
5,396.00	3.94	62.67	5,393.89	6.57	58.60	-3.39	0.42	0.42	0.79
5,574.00	5.60	59.48	5,571.26	13.78	71.52	-9.91	0.94	0.93	-1.79
5,751.00	5.44	75.58	5,747.45	20.28	87.08	-15.53	0.88	-0.09	9.10
5,929.00	4.52	74.99	5,924.78	24.18	102.03	-18.64	0.52	-0.52	-0.33
6,108.00	4.26	72.63	6,101.28	27.95	115.04	-21.70	0.18	-0.15	-1.33
6,283.00	5.09	70.75	6,277.67	32.50	128.73	-25.50	0.48	0.47	-1.08
6,460.00	4.69	69.45	6,454.03	37.63	142.92	-29.86	0.23	-0.23	-0.73
6,638.00	4.93	65.79	6,631.40	43.32	156.71	-34.80	0.22	0.13	-2.06
6,815.00	5.70	80.59	6,807.64	47.87	172.32	-38.51	0.88	0.44	6.36
6,992.00	5.31	87.43	6,983.83	49.68	189.17	-39.40	0.43	-0.22	3.86
7,170.00	4.60	84.89	7,161.16	50.68	204.51	-39.57	0.42	-0.40	-1.43
7,347.00	4.01	83.94	7,337.66	51.97	217.73	-40.14	0.34	-0.33	-0.54
7,524.00	3.30	90.22	7,514.30	52.60	228.98	-40.17	0.46	-0.40	3.55
7,702.00	4.07	73.98	7,691.94	54.33	240.18	-41.29	0.72	0.43	-9.12
7,880.00	3.48	68.56	7,869.55	58.05	251.28	-44.40	0.39	-0.33	-3.04
8,057.00	4.19	75.97	8,046.16	61.58	262.55	-47.32	0.49	0.40	4.19
8,235.00	3.41	82.38	8,223.76	63.85	274.11	-48.97	0.50	-0.44	3.80
8,412.00	4.24	77.72	8,400.37	65.94	285.72	-50.43	0.50	0.47	-2.83
8,589.00	4.78	73.55	8,576.82	69.42	299.18	-53.18	0.36	0.31	-2.36
8,649.00	4.44	75.98	8,636.63	70.70	303.83	-54.19	0.65	-0.57	4.05
8,740.00	8.02	135.35	8,727.15	67.03	311.72	-50.11	7.59	3.93	65.24



Phoenix Technology Services LP Survey Report



Company: Chevron
Project: Lea County, NM (NAD27 NME)
Site: Salado Draw 29 28 33 Fed Com
Well: 3H
Wellbore: OH / Job 1514335
Design: Surveys (Pace X30)

Local Co-ordinate Reference: Well 3H - Slot 3H
TVD Reference: RKB @ 3242.00usft (Pace X30)
MD Reference: RKB @ 3242.00usft (Pace X30)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,784.00	15.41	154.86	8,770.22	59.54	316.37	-42.38	18.83	16.80	44.34
8,829.00	23.30	163.09	8,812.65	45.59	321.51	-28.17	18.51	17.53	18.29
8,873.00	29.17	165.47	8,852.11	28.86	328.74	-9.19	13.55	13.34	5.41
8,917.00	33.53	168.27	8,889.67	4.57	331.90	13.34	10.45	9.91	6.36
8,962.00	38.02	171.55	8,926.18	-21.32	336.46	39.45	10.85	9.98	7.29
9,006.00	42.44	175.05	8,959.77	-49.53	339.74	67.79	11.28	10.05	7.95
9,050.00	47.59	178.85	8,990.86	-80.56	341.91	98.90	12.06	11.70	4.09
9,095.00	51.42	177.23	9,020.08	-114.73	343.68	133.11	8.54	8.51	0.84
9,139.00	55.45	178.17	9,046.29	-150.03	345.09	168.44	9.32	9.16	2.14
9,184.00	57.86	179.37	9,071.02	-187.61	345.89	206.01	5.80	5.36	2.67
9,228.00	60.36	180.26	9,093.61	-225.37	346.01	243.71	5.94	5.68	2.02
9,272.00	64.29	181.23	9,114.04	-264.32	345.49	282.58	9.14	8.93	2.20
9,316.00	67.56	180.65	9,131.99	-304.49	344.84	322.65	7.53	7.43	-1.32
9,361.00	71.24	179.12	9,147.82	-346.60	344.93	364.71	8.77	8.18	-3.40
9,405.00	75.65	178.19	9,160.35	-388.75	345.92	408.85	10.23	10.02	-2.11
9,449.00	80.64	177.59	9,169.39	-431.77	347.51	449.90	11.42	11.34	-1.36
9,482.00	82.93	177.39	9,174.10	-464.40	348.94	482.55	6.97	6.94	-0.61
9,570.00	87.48	179.30	9,181.46	-552.03	351.47	570.19	5.60	5.17	2.17
9,659.00	91.99	180.40	9,181.87	-641.00	351.70	659.05	5.22	5.07	1.24
9,747.00	92.13	180.09	9,178.71	-728.94	351.32	748.84	0.39	0.16	-0.35
9,837.00	92.10	179.48	9,175.39	-818.88	351.66	836.67	0.68	-0.03	-0.68
9,926.00	91.18	179.55	9,172.84	-907.84	352.42	925.54	1.04	-1.03	0.08
10,014.00	87.98	177.22	9,173.48	-995.79	354.89	1,013.49	4.50	-3.64	-2.65
10,103.00	87.31	176.61	9,177.14	-1,084.58	359.68	1,102.41	1.02	-0.75	-0.69
10,192.00	86.86	177.24	9,181.67	-1,173.34	364.45	1,191.30	0.87	-0.51	0.71
10,281.00	86.33	177.29	9,186.95	-1,262.08	368.69	1,280.14	0.60	-0.60	0.06
10,369.00	87.59	177.42	9,191.62	-1,349.86	372.74	1,368.01	1.44	1.43	0.15
10,458.00	90.14	180.29	9,193.38	-1,438.81	374.52	1,456.92	4.31	2.87	3.22
10,547.00	90.45	180.70	9,192.92	-1,527.80	373.75	1,545.75	0.58	0.35	0.46
10,635.00	90.11	179.59	9,192.49	-1,615.80	373.53	1,633.60	1.32	-0.39	-1.26
10,724.00	90.76	179.85	9,191.82	-1,704.80	373.96	1,722.49	0.79	0.73	0.29
10,813.00	90.73	180.48	9,190.66	-1,793.79	373.71	1,811.34	0.71	-0.03	0.71
10,901.00	91.90	180.85	9,188.64	-1,881.76	372.69	1,899.13	1.39	1.33	0.42
10,990.00	89.91	178.57	9,187.24	-1,970.73	373.14	1,988.00	3.40	-2.24	-2.56
11,079.00	90.45	179.99	9,186.96	-2,059.72	374.25	2,076.92	1.71	0.61	1.60
11,168.00	89.58	179.27	9,186.93	-2,148.72	374.83	2,165.82	1.27	-0.98	-0.81
11,256.00	87.09	177.40	9,189.49	-2,236.84	377.38	2,253.74	3.54	-2.83	-2.13
11,345.00	86.67	176.53	9,194.33	-2,325.38	382.09	2,342.61	1.08	-0.47	-0.98
11,434.00	86.44	176.14	9,199.68	-2,414.04	387.77	2,431.44	0.51	-0.26	-0.44
11,522.00	86.67	177.52	9,204.97	-2,501.74	392.62	2,519.28	1.59	0.26	1.57
11,611.00	86.27	178.81	9,210.45	-2,590.52	395.47	2,608.09	1.51	-0.45	1.45
11,700.00	86.07	180.57	9,214.84	-2,679.41	395.95	2,696.87	2.83	2.02	1.98
11,788.00	90.61	182.28	9,215.86	-2,767.36	393.76	2,784.58	3.48	2.89	1.94



Phoenix Technology Services LP

Survey Report



Company: Chevron
 Project: Lea County, NM (NAD27 NME)
 Site: Salado Draw 29 26 33 Fed Corn
 Well: 3H
 Wellbore: OH / Job 1514335
 Design: Surveys (Pace X30)

Local Co-ordinate Reference: Well 3H - Slot 3H
 TVD Reference: RKB @ 3242.00usft (Pace X30)
 MD Reference: RKB @ 3242.00usft (Pace X30)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,877.00	90.48	181.08	9,215.01	-2,856.32	391.15	2,873.27	1.36	-0.15	-1.35
11,965.00	91.74	181.25	9,213.31	-2,944.28	389.36	2,961.00	1.44	1.43	0.19
12,054.00	90.03	179.07	9,211.93	-3,033.26	389.12	3,049.84	3.11	-1.92	-2.45
12,143.00	92.04	181.59	9,210.32	-3,122.23	388.80	3,138.66	3.62	2.26	2.83
12,231.00	91.82	180.95	9,207.36	-3,210.16	386.65	3,226.35	0.77	-0.25	-0.73
12,320.00	85.46	175.41	9,209.47	-3,299.01	389.47	3,315.22	9.47	-7.15	-6.22
12,409.00	84.73	175.10	9,217.08	-3,387.38	396.81	3,403.86	0.89	-0.82	-0.35
12,497.00	88.01	178.03	9,222.66	-3,475.03	402.06	3,491.66	4.99	3.73	3.33
12,586.00	87.34	176.97	9,228.27	-3,563.87	405.94	3,580.58	1.41	-0.75	-1.19
12,675.00	88.15	179.72	9,229.77	-3,652.75	408.51	3,669.47	3.22	0.91	3.09
12,764.00	90.09	180.52	9,231.14	-3,741.74	408.32	3,758.32	2.36	2.18	0.90
12,852.00	91.51	180.45	9,229.91	-3,829.72	407.58	3,846.14	1.62	1.61	-0.08
12,941.00	89.89	179.38	9,228.82	-3,918.71	407.71	3,935.00	2.18	-1.82	-1.20
13,030.00	89.72	178.36	9,229.12	-4,007.69	409.47	4,023.95	1.16	-0.19	-1.15
13,118.00	90.95	178.28	9,228.61	-4,095.65	412.05	4,111.92	1.40	1.40	-0.09
13,207.00	89.08	178.95	9,228.58	-4,184.62	414.20	4,200.88	2.23	-2.10	0.75
13,295.00	88.04	178.86	9,230.80	-4,272.58	415.88	4,288.79	1.19	-1.18	-0.10
13,384.00	88.63	182.48	9,233.38	-4,361.52	414.84	4,377.55	4.12	0.66	4.07
13,473.00	87.31	181.84	9,236.54	-4,450.39	411.48	4,466.12	1.65	-1.48	-0.72
13,561.00	88.66	182.65	9,239.63	-4,538.27	408.04	4,553.68	1.79	1.53	0.92
13,650.00	88.77	182.70	9,241.63	-4,627.15	403.89	4,642.20	0.14	0.12	0.06
13,739.00	88.54	183.51	9,243.71	-4,715.99	399.07	4,730.66	0.95	-0.26	0.91
13,827.00	88.85	181.90	9,245.72	-4,803.87	394.92	4,818.18	1.86	0.35	-1.83
13,916.00	90.11	179.52	9,246.53	-4,892.85	393.81	4,906.98	3.03	1.42	-2.67
14,005.00	90.64	178.84	9,245.94	-4,981.84	395.09	4,995.90	0.97	0.60	-0.76
14,093.00	89.75	177.88	9,245.64	-5,069.80	397.61	5,083.87	1.49	-1.01	-1.09
14,182.00	89.55	177.43	9,246.19	-5,158.73	401.25	5,172.86	0.55	-0.22	-0.51
14,271.00	89.33	177.36	9,247.06	-5,247.63	405.29	5,261.85	0.26	-0.25	-0.08
14,359.00	89.72	178.55	9,247.79	-5,335.57	408.43	5,349.83	1.42	0.44	1.35
14,448.00	90.95	180.28	9,247.27	-5,424.56	409.34	5,438.74	2.38	1.38	1.94
14,537.00	91.18	180.22	9,245.61	-5,513.54	408.95	5,527.58	0.27	0.26	-0.07
14,626.00	91.65	179.30	9,243.42	-5,602.51	409.32	5,616.44	1.16	0.53	-1.03
14,715.00	90.19	179.68	9,241.99	-5,691.49	410.12	5,705.33	1.70	-1.64	0.43
14,804.00	88.82	178.65	9,242.76	-5,780.48	411.41	5,794.26	1.93	-1.54	-1.16
14,892.00	88.82	178.59	9,244.57	-5,868.43	413.53	5,882.20	0.07	0.00	-0.07
14,981.00	87.81	178.84	9,247.18	-5,957.37	415.53	5,971.12	1.17	-1.13	0.28
15,070.00	89.02	180.55	9,249.65	-6,046.33	416.00	6,059.97	2.35	1.36	1.92
15,158.00	92.21	181.91	9,248.70	-6,134.29	414.11	6,147.70	3.94	3.63	1.55
15,247.00	91.51	181.19	9,245.81	-6,223.21	411.71	6,236.36	1.13	-0.79	-0.81
15,336.00	90.28	179.26	9,244.42	-6,312.19	411.36	6,325.20	2.57	-1.38	-2.17
15,424.00	91.37	179.50	9,243.16	-6,400.18	412.31	6,413.10	1.27	1.24	0.27
15,513.00	91.18	179.15	9,241.18	-6,489.15	413.36	6,502.00	0.45	-0.21	-0.39
15,602.00	89.58	178.46	9,240.59	-6,578.13	415.21	6,590.95	1.96	-1.80	-0.78
15,690.00	89.19	177.75	9,241.53	-6,666.07	418.12	6,678.92	0.92	-0.44	-0.81



Phoenix Technology Services LP

Survey Report



Company: Chevron
Project: Lea County, NM (NAD27 NME)
Site: Salado Draw 29 26 33 Fed Com
Well: 3H
Wellbore: OH / Job 1514335
Design: Surveys (Pace X30)

Local Co-ordinate Reference: Well 3H - Slot 3H
TVD Reference: RKB @ 3242.00usft (Pace X30)
MD Reference: RKB @ 3242.00usft (Pace X30)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,779.00	88.99	178.72	9,242.94	-6,755.02	420.86	6,767.89	1.11	-0.22	1.09
15,867.00	89.44	180.19	9,244.15	-6,843.00	421.70	6,855.79	1.75	0.51	1.67
15,956.00	89.47	180.63	9,245.00	-6,932.00	421.08	6,944.62	0.50	0.03	0.49
16,045.00	90.53	180.20	9,245.00	-7,020.99	420.42	7,033.45	1.29	1.19	-0.48
16,133.00	90.14	178.62	9,244.48	-7,108.98	421.33	7,121.36	1.85	-0.44	-1.80
16,222.00	90.06	179.17	9,244.33	-7,197.97	423.04	7,210.31	0.62	-0.09	0.62
16,310.00	89.72	180.38	9,244.49	-7,285.96	423.39	7,298.19	1.43	-0.39	1.38
16,399.00	88.57	179.72	9,245.82	-7,374.95	423.31	7,387.05	1.49	-1.29	-0.74
16,431.00	88.04	179.17	9,246.77	-7,406.94	423.62	7,419.00	2.39	-1.66	-1.72
Final Phoenix Survey				-7,484.90	424.46	7,476.92	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
189.00	189.00	-0.38	0.12	First Phoenix Survey
16,431.00	9,246.77	-7,406.94	423.62	Final Phoenix Survey
16,489.00	9,248.75	-7,484.90	424.46	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Exhibit A-2

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

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

District III
1000 Rio Buenos Road, Aragon, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., 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 Dr.
Santa Fe, NM 87505

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

JUN 1 5 2015

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-42658	² Pool Code 97955	³ Pool Name WC-025 G-06 5263319P; B5
⁴ Property Code 314194	⁵ Property Name SALADO DRAW 29 26 33 FED COM	
⁶ OGS ID No. 4323	⁷ Operator Name CHEVRON U.S.A. INC.	⁸ Well Number 3H
		⁹ Elevation 3215'

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
C	29	26 SOUTH	33 EAST, N.M.P.M.		200'	NORTH	1333'	WEST	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
F	32	26 SOUTH	33 EAST, N.M.P.M.	3	280'	SOUTH	1676'	WEST	LEA

¹² Dedicated Acres 237.4431	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 1757
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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.

SALADO DRAW 29 26 33 FED COM NO. 3H WELL X= 727,888 NAD 27 Y= 372,173 LAT. 32.021087 LONG. 103.598039 X= 769,078 NAD 83 Y= 372,230 LAT. 32.021212 LONG. 103.598506 ELEVATION +3215' NAVD 88		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 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. Cindy Herrera-Murillo 09-18-14 Signature Date Cindy Herrera-Murillo Printed Name CherreraMurillo@chevron.com E-mail Address
PROPOSED BOTTOM HOLE LOCATION X= 728,291 NAD 27 Y= 384,827 LAT. 32.000886 LONG. 103.596900 X= 769,479 NAD 83 Y= 364,884 LAT. 32.001012 LONG. 103.597366		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. 5.7.14 Date of Survey J. J. DANIEL III Signature and Seal of Professional Surveyor 18078 REGISTERED PROFESSIONAL SURVEYOR Communicate Number #15078

CORNER COORDINATES TABLE (NAD 27)

A - Y=372373.27, X=727875.49
B - Y=372382.09, X=728197.59
C - Y=371053.27, X=727885.85
D - Y=371062.70, X=729207.70
E - Y=384544.81, X=727936.29
F - Y=384553.99, X=729259.12

JUN 1 6 2015