Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.

5. Lease Serial No.
NMNM113941

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SKEEN 22 26 26 FEDERAL 7H

2. Name of Operator
CHEVRON USA INCORPORATED
Contact: DENISE PINKERTON
E-Mail: leakejd@chevron.com

9. API Well No.
30-015-42889-00-X1

3a. Address
15 SMITH ROAD
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-687-7375

10. Field and Pool, or Exploratory
WILDCAT

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 22 T26S R26E SESE 402FSL 660FEL
32.021631 N Lat, 104.273727 W Lon

11. County or Parish, and State
EDDY 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 to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recomplete 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 recompletion 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.)

CHEVRON RESPECTFULLY REQUESTS THE FOLLOWING CHANGES FROM THE ORIGINAL APD FOR THE SUBJECT NEW DRILL:
*Change of well TD due to adjustments to the well plan
*Change in the cement volume for production casing due to changes in the well plan.
CASING PROGRAM
AS DEFINED IN APD: Production casing from 0' to 15,912'
AS PLANNED ON WELL: Production casing from 0' to 15,552'
CEMENTING PROGRAM
AS DEFINED IN APD: 1st lead (50% excess) 311 sacks (TOC 6,350')
2nd lead (35% excess) 1424 sacks (T)C 8.600')
Tail (0% excess) 100 sacks (TOC 15,110')
AS PLANNED ON WELL: 1st lead (50% excess) 296 sacks (TOC 6,350')

2/13/15
Accepted for record
NMOCD

NM OIL CONSERVATION
ARTESIA DISTRICT
FEB 13 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #290143 verified by the BLM Well Information System
For CHEVRON USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by CHRISTOPHER WALLS on 02/03/2015 (15CRW0053SE)

Name *(Printed/Typed)* DENISE PINKERTON — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 02/02/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date

APPROVED
FEB 10 2015
/s/ Chris Walls
BUREAU OF LAND MANAGEMENT

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 #290143 that would not fit on the form

32. Additional remarks, continued

2nd lead (35% excess) 993 sacks (TOC 8,668')
Tail (0% excess) 100 sacks (TOC 14,420')
Please find attached, all justification,and updated well plan.

Total excess a/c. to 11%
May need more cement.

Questions and/or concerns should be directed to Serik Seitassanov, Chevron Engr, at 832-581-8145.

Delaware Basin
Changes to APD for Fed Well

Well Name: Skeen 22 26 26 Federal 7H

API Well No.: 30-015-42889

Rig: Ensign 767

CVX CONTACT:

SERIK SEITASSANOV
DRILLING ENGINEER
1400 SMITH ST.
HOUSTON, TX 77002
DESK: HOU140/43-094
CELL: 832-581-8145
EMAIL: SERIK.SEITASSANOV@CHEVRON.COM

Summary of Changes to APD Submission

1. Change of well TD due to adjustments to the well plan
2. Change in the cement volume for production casing due change in the well plan

(4) Casing Program

Summary: Approved APD states 15,912' as a setting depth of the 5-1/2" production casing. The proposed change is to change the casing setting depth to 15,552 ft due to:

1. During more detailed planning the discrepancy was identified – the TD was ~500 ft past the last take point (BHL). The actual distance drilled past the last take point to accommodate the shoe track and RSI sleeve is about 185 ft,
2. The well trajectory adjustments were performed to accommodate a trial run of the Rotary Steerable System in the production section lateral: propose to change build rate from 12 deg/100' to 10 deg/100 ft as per directional company recommendations. The landing point moved ~95 ft further from the vertical hole axis.

No other changes to casing design.

As Defined in APD:

- Production casing from 0' to 15,912'

As Planned on Well:

- Production casing from 0' to 15,552'

(5) Cementing Program

Summary: Due to changes in the production section TD and casing setting depth, the cement volumes will have to be adjusted accordingly. Same types of slurry and the amounts of excess will be used. Adjustments are performed due to linear change on the casing length.

As Defined in APD:

- 1st lead (50% excess)– 311 sacks (TOC 6,350 ft)
- 2nd lead (35% excess) – 1,424 sacks (TOC 8,600 ft)
- Tail (0% excess) – 100 sacks (TOC 15,110 ft)

As Planned on Well:

- 1st lead (50% excess) – 296 sacks (TOC 6,350 ft)
- 2nd lead (35% excess) – 993 sacks (TOC 8,668 ft)
- Tail (0% excess) – 100 sacks (TOC 14,420 ft)

The updated well plan is attached to this letter.

Chevron USA, Inc.

Chevron

Project:: Eddy County, NM
Site: Skeen 22 26 26 Fed
Well: Skeen 22 26 26 Fed 7H
Wellbore: Wellbore #1
Design: Plan #6
Rig: Ensign 767

SURFACE LOCATION

US State Plane 1927 (Exact solution)
New Mexico East 3001
Elevation: GL 3406.0' + KB 31.0' @ 3437.00usft (Ensign 767)

Northing	Easting	Latitude	Longitude
371601.00	518473.00	32° 1' 17.873 N	104° 16' 25.421 W

TARGET INFORMATION:

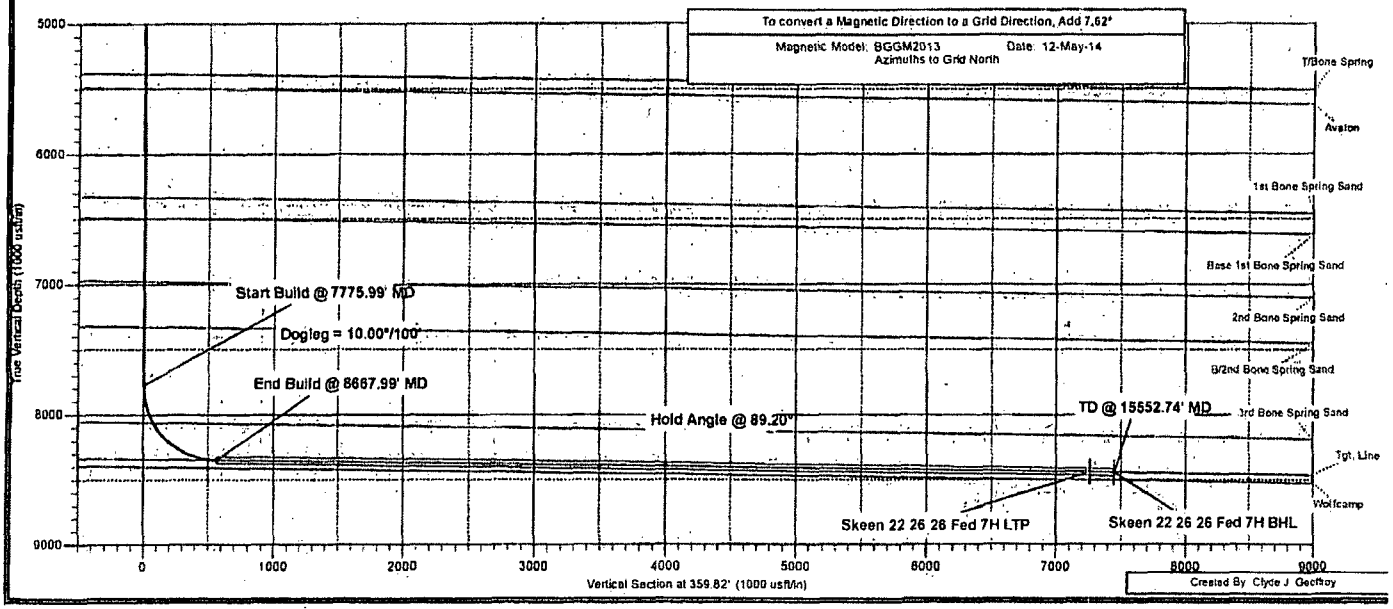
8341.0' TVD @ 0.0' VS w/0.80° Down Dip
25' Up & 25' Down
50' Left & 50' Right

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

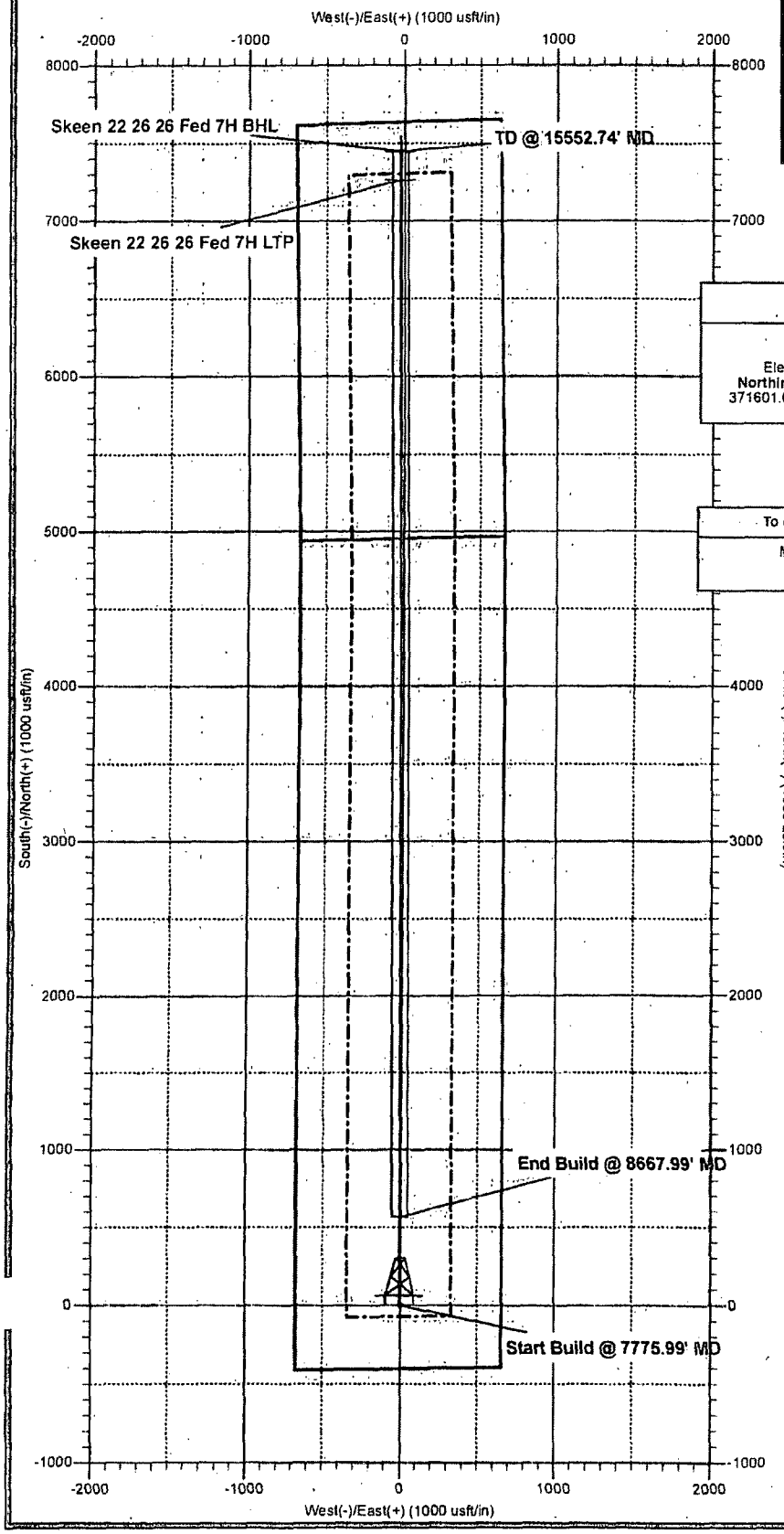
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Skeen 22 26 26 Fed 7H LTP	8442.43	7284.00	-23.00	378885.00	518450.00	32° 2' 29.782 N	104° 16' 25.841 W
Skeen 22 26 26 Fed 7H BHL	8445.01	7449.00	-23.40	379050.00	518449.60	32° 2' 31.593 N	104° 16' 25.845 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7775.99	0.00	0.00	7775.99	0.00	0.00	0.00	0.00	0.00	Start Build
8667.99	89.20	359.82	8348.69	564.96	-1.77	10.00	359.82	564.98	End Build
15552.74	89.20	359.82	8445.01	7449.00	-23.40	0.00	0.00	7449.04	TD



Chevron USA, Inc.



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Site: Skeen 22 26 26 Fed
Well: Skeen 22 26 26 Fed 7H
Wellbore: Wellbore #1
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SURFACE LOCATION			
US State Plane 1927 (Exact solution) New Mexico East 3001 Elevation: GL 3406.0' + KB 31.0' @ 3437.00usft (Ensign 767)			
Northing	**Easting**	**Latitude**	**Longitude**
371601.00	518473.00	32° 1' 17.873 N	104° 16' 25.421 W

To convert a Magnetic Direction to a Grid Direction, Add 7.62°

Magnetic Model: BGGM2013 Date: 12-May-14
Azimuths to Grid North

TARGET INFORMATION:
8341.0' TVD @ 0.0' VS w/0.80° Down Dip 25' Up & 25' Down 50' Left & 50' Right

Chevron

N

Created By: Clyde J. Geoffroy Date: 10.31, January 27 2015

Chevron USA, Inc.

Eddy County, NM
Skeen 22 26 26 Fed
Skeen 22 26 26 Fed 7H

Wellbore #1

Plan: Plan #6

Sperry Drilling Services
Proposal Report

27 January, 2015

Well Coordinates: 371,601.00 N, 518,473.00 E (32° 01' 17.87" N, 104° 16' 25.42" W)
Ground Level: 3,406.00 usft

Local Coordinate Origin:	Centered on Well Skeen 22 26 26 Fed 7H
Viewing Datum:	GL 3406.0' + KB 31.0' @ 3437.00usft (Ensign 767)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 72

HALLIBURTON

Plan Report for Skeen 22 26 26 Fed 7H - Plan #6

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)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
394.00	0.00	0.00	394.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile										
1,865.00	0.00	0.00	1,865.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar LS										
1,905.00	0.00	0.00	1,905.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon										
2,742.00	0.00	0.00	2,742.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon										
3,840.00	0.00	0.00	3,840.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon										
5,385.00	0.00	0.00	5,385.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T/Bone Spring										
5,495.00	0.00	0.00	5,495.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avalon										
6,336.00	0.00	0.00	6,336.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Bone Spring Sand										
6,496.00	0.00	0.00	6,496.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Base 1st Bone Spring Sand										
6,979.00	0.00	0.00	6,979.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2nd Bone Spring Sand										
7,329.00	0.00	0.00	7,329.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B/2nd Bone Spring Sand										
7,775.99	0.00	0.00	7,775.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 7775.99' MD - Dogleg = 10.00°/100'										
7,800.00	2.40	359.82	7,799.99	0.50	0.00	0.50	10.00	10.00	0.00	359.82
7,900.00	12.40	359.82	7,899.03	13.37	-0.04	13.37	10.00	10.00	0.00	0.00
8,000.00	22.40	359.82	7,994.34	43.24	-0.14	43.24	10.00	10.00	0.00	0.00
8,076.69	30.07	359.82	8,063.08	77.11	-0.24	77.12	10.00	10.00	0.00	0.00
3rd Bone Spring Sand										
8,100.00	32.40	359.82	8,083.00	89.20	-0.28	89.20	10.00	10.00	0.00	0.00
8,200.00	42.40	359.82	8,162.34	149.86	-0.47	149.86	10.00	10.00	0.00	0.00
8,300.00	52.40	359.82	8,229.94	223.38	-0.70	223.38	10.00	10.00	0.00	0.00
8,400.00	62.40	359.82	8,283.75	307.52	-0.97	307.52	10.00	10.00	0.00	0.00
8,500.00	72.40	359.82	8,322.13	399.72	-1.26	399.73	10.00	10.00	0.00	0.00
8,600.00	82.40	359.82	8,343.91	497.19	-1.56	497.19	10.00	10.00	0.00	0.00
8,667.99	89.20	359.82	8,348.89	564.96	-1.77	564.96	10.00	10.00	0.00	0.00
End Build @ 8667.99' MD - Hold Angle @ 89.20° - Tgt. Line										
8,700.00	89.20	359.82	8,349.34	596.97	-1.88	596.97	0.00	0.00	0.00	0.00
8,800.00	89.20	359.82	8,350.73	696.95	-2.19	696.96	0.00	0.00	0.00	0.00
8,900.00	89.20	359.82	8,352.13	796.94	-2.50	796.95	0.00	0.00	0.00	0.00
9,000.00	89.20	359.82	8,353.52	896.93	-2.82	896.94	0.00	0.00	0.00	0.00
9,100.00	89.20	359.82	8,354.92	996.92	-3.13	996.93	0.00	0.00	0.00	0.00
9,200.00	89.20	359.82	8,356.32	1,096.91	-3.45	1,096.92	0.00	0.00	0.00	0.00
9,300.00	89.20	359.82	8,357.71	1,196.90	-3.76	1,196.91	0.00	0.00	0.00	0.00
9,400.00	89.20	359.82	8,359.11	1,296.89	-4.07	1,296.90	0.00	0.00	0.00	0.00
9,500.00	89.20	359.82	8,360.51	1,396.88	-4.39	1,396.89	0.00	0.00	0.00	0.00
9,600.00	89.20	359.82	8,361.90	1,496.87	-4.70	1,496.88	0.00	0.00	0.00	0.00
9,700.00	89.20	359.82	8,363.30	1,596.86	-5.02	1,596.87	0.00	0.00	0.00	0.00
9,800.00	89.20	359.82	8,364.69	1,696.85	-5.33	1,696.86	0.00	0.00	0.00	0.00
9,900.00	89.20	359.82	8,366.09	1,796.84	-5.64	1,796.85	0.00	0.00	0.00	0.00
10,000.00	89.20	359.82	8,367.49	1,896.83	-5.96	1,896.84	0.00	0.00	0.00	0.00
10,100.00	89.20	359.82	8,368.88	1,996.82	-6.27	1,996.83	0.00	0.00	0.00	0.00
10,200.00	89.20	359.82	8,370.28	2,096.81	-6.59	2,096.82	0.00	0.00	0.00	0.00
10,300.00	89.20	359.82	8,371.68	2,196.80	-6.90	2,196.81	0.00	0.00	0.00	0.00
10,400.00	89.20	359.82	8,373.07	2,296.79	-7.22	2,296.80	0.00	0.00	0.00	0.00
10,500.00	89.20	359.82	8,374.47	2,396.78	-7.53	2,396.79	0.00	0.00	0.00	0.00

Plan Report for Skeen 22 26 26 Fed 7H - Plan #6

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)	Toolface Azimuth (°)
10,600.00	89.20	359.82	8,375.86	2,496.77	-7.84	2,496.78	0.00	0.00	0.00	0.00
10,700.00	89.20	359.82	8,377.26	2,596.76	-8.16	2,596.77	0.00	0.00	0.00	0.00
10,800.00	89.20	359.82	8,378.66	2,696.75	-8.47	2,696.76	0.00	0.00	0.00	0.00
10,900.00	89.20	359.82	8,380.05	2,796.74	-8.79	2,796.75	0.00	0.00	0.00	0.00
11,000.00	89.20	359.82	8,381.45	2,896.73	-9.10	2,896.74	0.00	0.00	0.00	0.00
11,100.00	89.20	359.82	8,382.85	2,996.72	-9.41	2,996.73	0.00	0.00	0.00	0.00
11,200.00	89.20	359.82	8,384.24	3,096.71	-9.73	3,096.72	0.00	0.00	0.00	0.00
11,300.00	89.20	359.82	8,385.64	3,196.70	-10.04	3,196.71	0.00	0.00	0.00	0.00
11,400.00	89.20	359.82	8,387.03	3,296.69	-10.36	3,296.70	0.00	0.00	0.00	0.00
11,500.00	89.20	359.82	8,388.43	3,396.68	-10.67	3,396.70	0.00	0.00	0.00	0.00
11,600.00	89.20	359.82	8,389.83	3,496.67	-10.99	3,496.69	0.00	0.00	0.00	0.00
11,700.00	89.20	359.82	8,391.22	3,596.66	-11.30	3,596.68	0.00	0.00	0.00	0.00
11,800.00	89.20	359.82	8,392.62	3,696.65	-11.61	3,696.67	0.00	0.00	0.00	0.00
11,900.00	89.20	359.82	8,394.01	3,796.64	-11.93	3,796.66	0.00	0.00	0.00	0.00
12,000.00	89.20	359.82	8,395.41	3,896.63	-12.24	3,896.65	0.00	0.00	0.00	0.00
12,100.00	89.20	359.82	8,396.81	3,996.62	-12.56	3,996.64	0.00	0.00	0.00	0.00
12,200.00	89.20	359.82	8,398.20	4,096.61	-12.87	4,096.63	0.00	0.00	0.00	0.00
12,300.00	89.20	359.82	8,399.60	4,196.60	-13.18	4,196.62	0.00	0.00	0.00	0.00
12,400.00	89.20	359.82	8,401.00	4,296.59	-13.50	4,296.61	0.00	0.00	0.00	0.00
12,500.00	89.20	359.82	8,402.39	4,396.58	-13.81	4,396.60	0.00	0.00	0.00	0.00
12,600.00	89.20	359.82	8,403.79	4,496.57	-14.13	4,496.59	0.00	0.00	0.00	0.00
12,700.00	89.20	359.82	8,405.18	4,596.56	-14.44	4,596.58	0.00	0.00	0.00	0.00
12,800.00	89.20	359.82	8,406.58	4,696.55	-14.75	4,696.57	0.00	0.00	0.00	0.00
12,900.00	89.20	359.82	8,407.98	4,796.53	-15.07	4,796.56	0.00	0.00	0.00	0.00
13,000.00	89.20	359.82	8,409.37	4,896.52	-15.38	4,896.55	0.00	0.00	0.00	0.00
13,100.00	89.20	359.82	8,410.77	4,996.51	-15.70	4,996.54	0.00	0.00	0.00	0.00
13,200.00	89.20	359.82	8,412.17	5,096.50	-16.01	5,096.53	0.00	0.00	0.00	0.00
13,300.00	89.20	359.82	8,413.56	5,196.49	-16.33	5,196.52	0.00	0.00	0.00	0.00
13,400.00	89.20	359.82	8,414.96	5,296.48	-16.64	5,296.51	0.00	0.00	0.00	0.00
13,500.00	89.20	359.82	8,416.35	5,396.47	-16.95	5,396.50	0.00	0.00	0.00	0.00
13,600.00	89.20	359.82	8,417.75	5,496.46	-17.27	5,496.49	0.00	0.00	0.00	0.00
13,700.00	89.20	359.82	8,419.15	5,596.45	-17.58	5,596.48	0.00	0.00	0.00	0.00
13,800.00	89.20	359.82	8,420.54	5,696.44	-17.90	5,696.47	0.00	0.00	0.00	0.00
13,900.00	89.20	359.82	8,421.94	5,796.43	-18.21	5,796.46	0.00	0.00	0.00	0.00
14,000.00	89.20	359.82	8,423.34	5,896.42	-18.52	5,896.45	0.00	0.00	0.00	0.00
14,100.00	89.20	359.82	8,424.73	5,996.41	-18.84	5,996.44	0.00	0.00	0.00	0.00
14,200.00	89.20	359.82	8,426.13	6,096.40	-19.15	6,096.43	0.00	0.00	0.00	0.00
14,300.00	89.20	359.82	8,427.52	6,196.39	-19.47	6,196.42	0.00	0.00	0.00	0.00
14,400.00	89.20	359.82	8,428.92	6,296.38	-19.78	6,296.41	0.00	0.00	0.00	0.00
14,500.00	89.20	359.82	8,430.32	6,396.37	-20.09	6,396.40	0.00	0.00	0.00	0.00
14,600.00	89.20	359.82	8,431.71	6,496.36	-20.41	6,496.39	0.00	0.00	0.00	0.00
14,700.00	89.20	359.82	8,433.11	6,596.35	-20.72	6,596.38	0.00	0.00	0.00	0.00
14,800.00	89.20	359.82	8,434.51	6,696.34	-21.04	6,696.37	0.00	0.00	0.00	0.00
14,900.00	89.20	359.82	8,435.90	6,796.33	-21.35	6,796.36	0.00	0.00	0.00	0.00
15,000.00	89.20	359.82	8,437.30	6,896.32	-21.67	6,896.35	0.00	0.00	0.00	0.00
15,100.00	89.20	359.82	8,438.69	6,996.31	-21.98	6,996.34	0.00	0.00	0.00	0.00
15,200.00	89.20	359.82	8,440.09	7,096.30	-22.29	7,096.33	0.00	0.00	0.00	0.00
15,300.00	89.20	359.82	8,441.49	7,196.29	-22.61	7,196.32	0.00	0.00	0.00	0.00
15,367.72	89.20	359.82	8,442.43	7,264.00	-22.82	7,264.04	0.00	0.00	0.00	0.00
Skeen 22 26 26 Fed 7H LTP										
15,400.00	89.20	359.82	8,442.88	7,296.28	-22.92	7,296.31	0.00	0.00	0.00	0.00
15,500.00	89.20	359.82	8,444.28	7,396.27	-23.24	7,396.31	0.00	0.00	0.00	0.00
15,552.74	89.20	359.82	8,445.01	7,449.00	-23.40	7,449.04	0.00	0.00	0.00	0.00
TD @ 15552.74' MD - Skeen 22 26 26 Fed 7H BHL										

Plan Report for Skeen 22 26 26 Fed 7H - Plan #6

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
7,775.99	7,775.99	0.00	0.00	Start Build @ 7775.99' MD
7,775.99	7,775.99	0.00	0.00	Dogleg = 10.00°/100'
8,667.99	8,348.89	564.95	-1.77	End Build @ 8667.99' MD
8,667.99	8,348.89	564.96	-1.77	Hold Angle @ 89.20°
15,552.74	8,445.01	7,449.00	-23.40	TD @ 15552.74' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (usft)	Origin +E/-W (usft)	Start TVD (usft)
User	No Target (Freehand)	359.82	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	15,552.74	Plan #6	MWD+SC

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
394.00	394.00	Castile		0.80	359.82
1,865.00	1,865.00	Lamar LS		0.80	359.82
1,905.00	1,905.00	Bell Canyon		0.80	359.82
2,742.00	2,742.00	Cherry Canyon		0.80	359.82
3,840.00	3,840.00	Brushy Canyon		0.80	359.82
5,385.00	5,385.00	T/Bone Spring		0.80	359.82
5,495.00	5,495.00	Avalon		0.80	359.82
6,336.00	6,336.00	1st Bone Spring Sand		0.80	359.82
6,496.00	6,496.00	Base 1st Bone Spring Sand		0.80	359.82
6,979.00	6,979.00	2nd Bone Spring Sand		0.80	359.82
7,329.00	7,329.00	B/2nd Bone Spring Sand		0.80	359.82
8,076.69	8,062.00	3rd Bone Spring Sand		0.80	359.82
8,667.99	8,341.00	Tgt. Line		0.80	359.82

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Skeen 22 26 26 Fed 7H LTP	8,442.43	7,264.00	-23.00	Point
Skeen 22 26 26 Fed 7H BHL	8,445.01	7,449.00	-23.40	Rectangle

North Reference Sheet for Skeen 22 26 26 Fed - Skeen 22 26 26 Fed 7H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.
Vertical Depths are relative to GL 3406.0' + KB 31.0' @ 3437.00usft (Ensign 767). Northing and Easting are relative to Skeen 22 26 26 Fed 7H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)
Central Meridian is -104.33°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°
False Easting: 500,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99990948

Grid Coordinates of Well: 371,601.00 usft N, 518,473.00 usft E
Geographical Coordinates of Well: 32° 01' 17.87" N, 104° 16' 25.42" W
Grid Convergence at Surface is: 0.03°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,552.74usft
the Bottom Hole Displacement is 7,449.04usft in the Direction of 359.82° (Grid).

Magnetic Convergence at surface is: -7.62° (12 May 2014, , BGGM2013)