

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

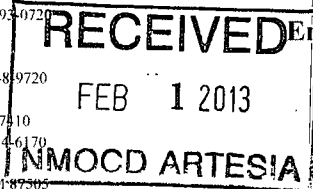
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

State of New Mexico

Form C-101
Revised November 14, 2012



Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Chevron USA, Inc. 15 Smith Road Midland, TX 79705		2. OGRID Number 4323
3. Property Code 39683	4. Property Name SKEEN 2 26 27 ST	5. API Number 30-015-41047
		6. Well No. 2H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
C	2	26S	27E		150'	N	1980'	W	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	2	26S	27E		330'	S	1980'	W	EDDY

9. Pool Information

DELAWARE RIVER; BONE SPRING	Pool Name	Pool Code 16800
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Additional Well Information

11. Work Type N	12. Well Type O	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 3204' GR
16. Multiple N	17. Proposed Depth 12,568'	18. Formation Bone Spring	19. Contractor TBD	20. Spud Date
Depth to Ground water 19'-50'		Distance from nearest fresh water well >1.8MILES		Distance to nearest surface water >5.6 MILES

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	48#	450'	600	0
Intermediate	12 1/4"	9 5/8"	40#	2250'	1000	0'
Production	8 3/4"	5 1/2"	17#	12,568'	900	500'

Casing/Cement Program: Additional Comments

SEE ATTACHMENTS FOR DETAILED INFORMATION.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Shaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐ if applicable.

Signature:

Bryan Arrant

Printed name: Bryan Arrant (Agent for Chevron)

Title: Regulatory Specialist II

E-mail Address: bryan.arrant@chk.com

Date: 01/31/2013

Phone: (405)935-3782

OIL CONSERVATION DIVISION

Approved By:

T. C. Shepard

Title:

Approved Date: 2/5/2013

Expiration Date: 2/5/2015

Conditions of Approval Attached

RECEIVED

FEB 1 2013

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511 S. First St., Artesia, NM 88210
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1600 Rio Brazos Road, Aztec, NM 87410
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-41047		² Pool Code 16800	³ Pool Name DELAWARE RIVER; BONE SPRING
⁴ Property Code 39683	⁵ Property Name SKEEN 2 26 27 ST		⁶ Well Number 2H
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.		⁹ Elevation 3204'

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	2	26 SOUTH	27 EAST, N.M.P.M.		150'	NORTH	1980'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	26 SOUTH	27 EAST, N.M.P.M.		330'	SOUTH	1980'	WEST	EDDY

¹² Dedicated Acres 160	¹¹ Joint or Infill	¹³ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Project Area Producing Area S 01°07'29"W 4989.15' Proposed Penetration Point 330' FNL & 1980' FWL	SKEEN 2 26 27 ST NO.2H WELL X= 552,860 NAD 27 Y= 392,296 LAT. 32.078423 LONG. 104.162668 X= 594,044 NAD83 Y= 392,354 LAT. 32.078545 LONG. 104.163160 ELEVATION +3204' 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 a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Bryan Arrant</i> 01/24/2013 Signature Date Bryan Arrant (Agent for Chevron) Printed Name bryan.arrant@chk.com E-mail Address
	PROPOSED BOTTOM HOLE LOCATION X= 552,762 NAD 27 Y= 387,308 LAT. 32.064711 LONG. 104.163009 X= 593,946 NAD83 Y= 387,365 LAT. 32.064833 LONG. 104.163501	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. Jan 23, 2013 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor MM. J. DANIEL III NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15078 Certificate Number #15078

SEKEN 2-26-27 ST NO. 2 WELL	NW ARCH. AREA CRN.	NE ARCH. AREA CRN.	SE ARCH. AREA CRN.	SW ARCH. AREA CRN.	NW FAC. PAD CRN.	NE FAC. PAD CRN.	SW FAC. PAD CRN.
X= 552,860 NAD 27 Y= 392,296 LAT. 32.078423 LONG. 104.162668	X= 552,561 NAD 27 Y= 392,572 ELEVATION +3210' NAVD 88	X= 553,161 NAD 27 Y= 392,571 ELEVATION +3197' NAVD 88	X= 553,160 NAD 27 Y= 391,971 ELEVATION +3201' NAVD 88	X= 552,560 NAD 27 Y= 391,972 ELEVATION +3208' NAVD 88	X= 552,445 NAD 27 Y= 392,372 ELEVATION +3211' NAVD 88	X= 552,695 NAD 27 Y= 392,371 ELEVATION +3207' NAVD 88	X= 552,445 NAD 27 Y= 392,122 ELEVATION +3209' NAVD 88
X= 594,044 NAD 83 Y= 392,354 LAT. 32.078545 LONG. 104.163160 ELEVATION +3204' NAVD 88	NW PAD CRN. X= 552,695 NAD 27 Y= 392,421 ELEVATION +3208' NAVD 88	NE PAD CRN. X= 553,025 NAD 27 Y= 392,421 ELEVATION +3201' NAVD 88	SE PAD CRN. X= 553,025 NAD 27 Y= 392,121 ELEVATION +3202' NAVD 88	SW PAD CRN. SE FAC. PAD CRN. X= 552,695 NAD 27 Y= 392,121 ELEVATION +3206' NAVD 88			

Sec. 34

Bureau of Land Management

T25S-R27E
T26S-R27E

Sec. 3

Bureau of Land Management

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, WM. J. DANIEL III, Registered Professional
Land Surveyor, do hereby state this plat is true
and correct to the best of my knowledge.



WM. J. DANIEL III
Registration No. 15078

Scale: 1"=300'

500' 0 250' 500'



135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

NOTE:

PLEASE BE ADVISED, THAT WHILE REASONABLE EFFORTS ARE MADE TO LOCATE AND VERIFY PIPELINES AND ANOMALIES USING OUR STANDARD PIPELINE LOCATING EQUIPMENT, IT IS IMPOSSIBLE TO BE 100% EFFECTIVE. AS SUCH, WE ADVISE USING CAUTION WHEN PERFORMING WORK AS THERE IS A POSSIBILITY THAT PIPELINES AND OTHER HAZARDS, SUCH AS FIBER OPTIC CABLES, PVC PIPELINES, ETC. MAY EXIST UNDETECTED ON SITE.

MANY STATES MAINTAIN INFORMATION CENTERS THAT ESTABLISH LINKS BETWEEN THOSE WHO DIG (EXCAVATORS) AND THOSE WHO OWN AND OPERATE UNDERGROUND FACILITIES (OPERATORS). IT IS ADVISABLE AND IN MOST STATES, LAW, FOR THE CONTRACTOR TO CONTACT THE CENTER FOR ASSISTANCE IN LOCATING AND MARKING UNDERGROUND UTILITIES. NEW MEXICO ONE CALL, <http://www.nmonecall.org/>.

DISCLAIMER: AT THIS TIME, FENSTERMAKER & ASSOCIATES, INC. HAS NOT PERFORMED NOR WAS ASKED TO PERFORM ANY TYPE OF ENGINEERING, HYDROLOGICAL MODELING, FLOOD PLAIN, OR "NO RISE" CERTIFICATION ANALYSES, INCLUDING BUT NOT LIMITED TO DETERMINING WHETHER THE PROJECT WILL IMPACT FLOOD HAZARDS IN CONNECTION WITH FEDERAL/FEMA, STATE, AND/OR LOCAL LAWS, ORDINANCES AND REGULATIONS. ACCORDINGLY, FENSTERMAKER MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND AS TO THE FOREGOING ISSUES, AND PERSONS OR ENTITIES USING THIS INFORMATION SHALL DO SO AT THEIR OWN RISK.

Sec. 35

Bureau of Land Management

Sec. 2

State of New Mexico

PROPOSED
ARCHAEOLOGICAL AREA
±5.99 Acres

PROPOSED
FACILITY PAD
±1.43 Acres

PROPOSED
ACCESS ROAD
14' X ±1002'
±0.32 Acres
±60.74 Rods

PROPOSED PAD
±2.27 Acres

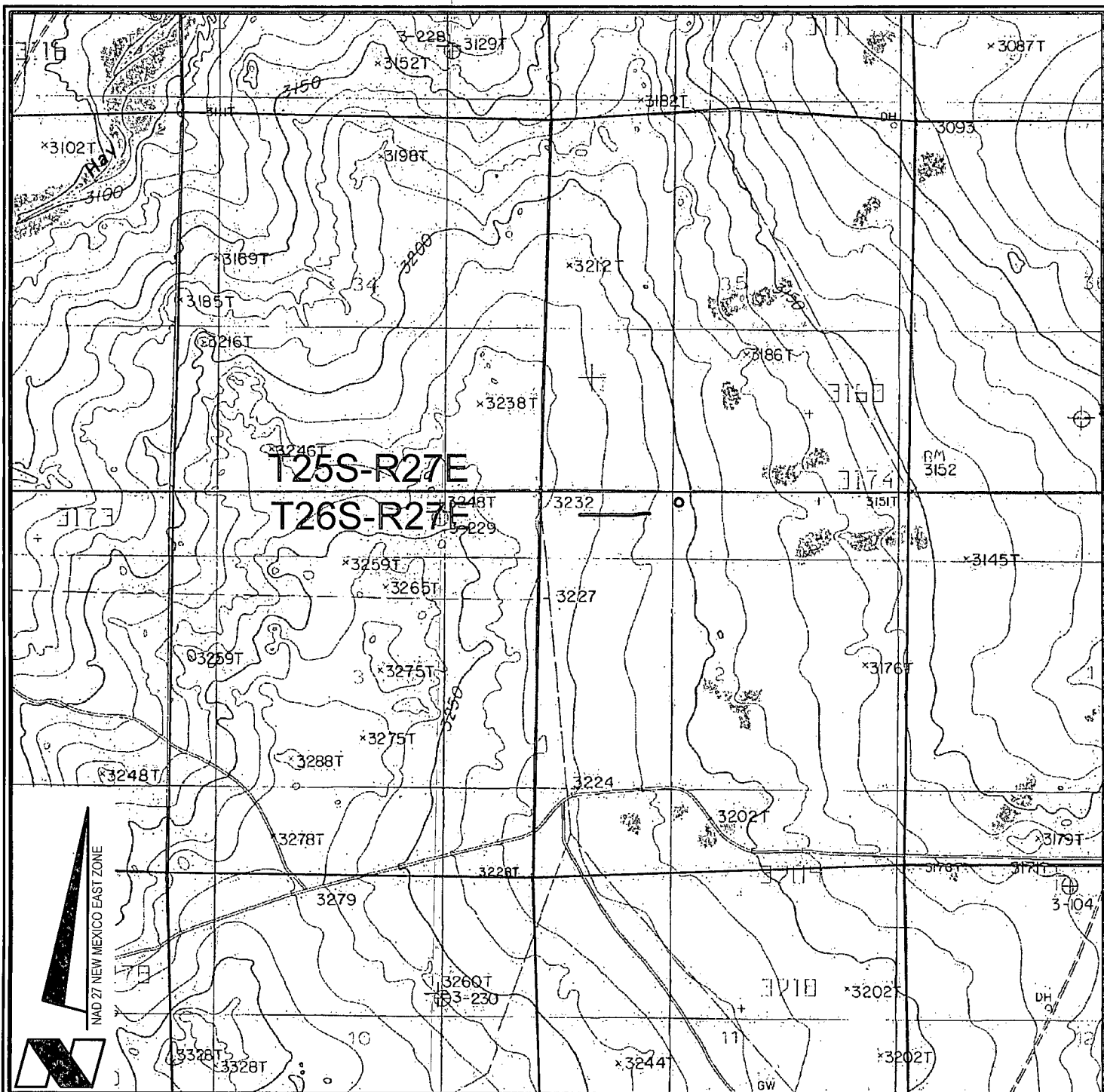
Skeen 2-26-27 St
No. 2H Well
FNL=150'
FWL=1980'

LEGEND

	Proposed Well
	Section Line
	Existing Fenceline

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SKEEN 2-26-27 ST NO. 2H WELL
SECTION 2, T26S-R27E
EDDY COUNTY, NEW MEXICO

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: DBM	No.	DATE:	REVISED BY:
DATE: 01/18/2013	No.	DATE:	REVISED BY:
FILENAME: T:\2012\2128636\DWGS\Skeen 2-26-27 ST No.2 SUP.dwg			



VICINITY MAP

2000' 0 1000' 2000'
Scale: 1" = 2000'

CHEVRON U.S.A. INC.

SKEEN 2-26-27 ST NO. 2H WELL
LOCATED 150' FNL AND 1980' FWL
SECTION 2, T26S-R27E
EDDY COUNTY, NEW MEXICO



Lafayette New Orleans Houston
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

DRAWN BY: BMO

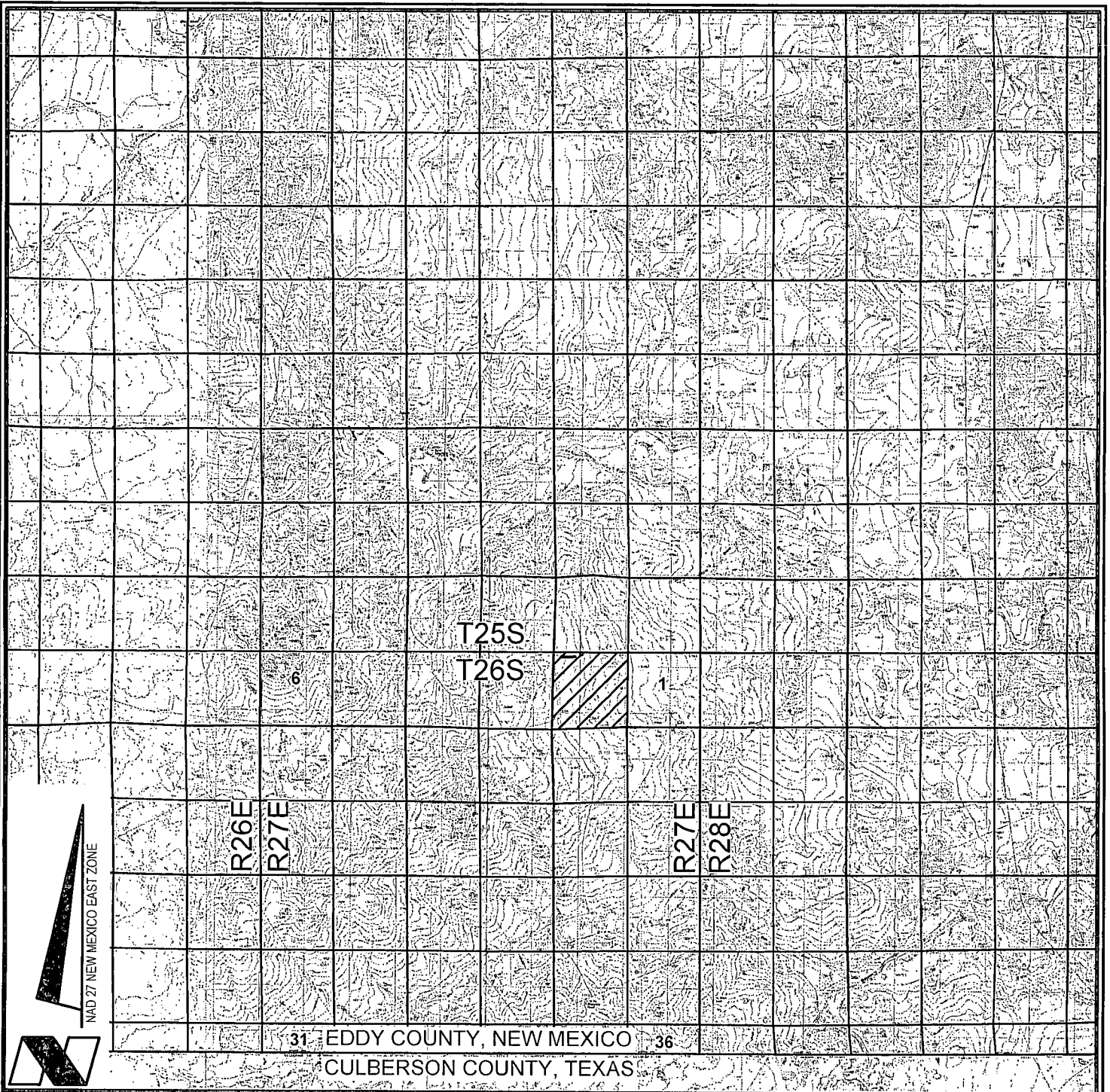
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REVISED:

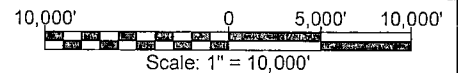
DATE: 01/18/2013

SHEET 1 OF 3 SHEETS

FILENAME: T:\2012\2128636\DWG\Skeen 2-26-27 ST No.2 APD.dwg



VICINITY MAP



CHEVRON U.S.A. INC.

SKEEN 2-26-27 ST NO. 2H WELL
 LOCATED 150' FNL AND 1980' FWL
 SECTION 2, T26S-R27E
 EDDY COUNTY, NEW MEXICO



Lafayette New Orleans Houston
 135 Regency Sq. Lafayette, LA 70508
 Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

DRAWN BY: BMO

REVISED:

DATE: 01/18/2013

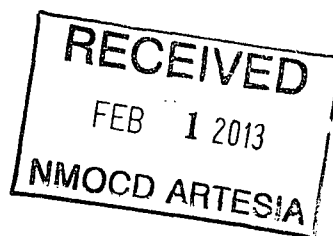
PROJ. MGR.: DBM

SHEET 2 OF 3 SHEETS

FILENAME: T:\2012\128636\DWG\Skeen 2-26-27 ST No.2 APD.dwg

Skeen 2-26-27 ST 2H

Type	Hole Size (")	Casing Size (in)	Casing Weight (#/s)	Setting Depth (ft)	Estimated TOC (ft)	Bottom of Cemented Interval (ft)	Sacks of Cement (sx)
Surface	17.5	13.375	48	450	0	450	600
Intermediate	12.25	9.625	40	2,250	0	2,250	1,000
Production	8.75	5.5	17	12,568	1,750	8,057	900
		** Lateral will be an OH Packer Completion (no cement) from 12,568' (TD) to 8057' (End of Curve). There will be a stage tool at the End of Curve to cement back up to 500' inside Intermediate csg thru.					



Permian District

NM - Bone Spring Sand Project

Skeen 2-26-27 ST 2H

Well #1

Wellbore #1

Plan: Plat 22Jan13

Standard Planning Report

25 January, 2013

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 2H
Company:	Permian District	TVD Reference:	RKB @ 3221.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3221.0usft
Site:	Skeen 2-26-27 ST 2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 22Jan13		

Project	NM - Bone Spring Sand Project		
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	Skeen 2-26-27 ST 2H		
Site Position:		Northing:	392,296.00 ft
From:	Map	Easting:	552,860.00 ft
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in
		Latitude:	32° 4' 42.31291299 N
		Longitude:	104° 9' 45.62117407 W
		Grid Convergence:	0.09 °

Well	Well #1		
Well Position	+N-S	0.0 usft	Northing: 392,296.00 ft
	+E-W	0.0 usft	Easting: 552,860.00 ft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,204.0 usft
		Ground Level:	3,204.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	1/25/2013	7.65
			Dip Angle (°)
			59.91
			Field Strength (nT)
			48,303

Design	Plat 22Jan13		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			181.13

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,306.7	0.00	0.00	7,306.7	0.0	0.0	0.00	0.00	0.00	0.00	
8,057.5	90.10	181.13	7,784.2	-478.2	-9.4	12.00	12.00	0.00	181.13	
12,568.2	90.10	181.13	7,776.3	-4,988.0	-98.0	0.00	0.00	0.00	0.00	Skeen 2-26-27 ST :

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST-2H
Company:	Permian District	TVD Reference:	RKB @ 3221.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3221.0usft
Site:	Skeen 2-26-27 ST-2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 22Jan13		

Planned 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
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1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Chesapeake Operating Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 2H
Company:	Permian District	TVD Reference:	RKB @ 3221.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3221.0usft
Site:	Skeen 2-26-27 ST 2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 22Jan13		

Planned 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)	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,306.7	0.00	0.00	7,306.7	0.0	0.0	0.0	0.00	0.00	0.00	
7,325.0	2.19	181.13	7,325.0	-0.4	0.0	0.4	12.00	12.00	0.00	
7,350.0	5.19	181.13	7,349.9	-2.0	0.0	2.0	12.00	12.00	0.00	
7,375.0	8.19	181.13	7,374.8	-4.9	-0.1	4.9	12.00	12.00	0.00	
7,400.0	11.19	181.13	7,399.4	-9.1	-0.2	9.1	12.00	12.00	0.00	
7,425.0	14.19	181.13	7,423.8	-14.6	-0.3	14.6	12.00	12.00	0.00	
7,450.0	17.19	181.13	7,447.9	-21.3	-0.4	21.3	12.00	12.00	0.00	
7,475.0	20.19	181.13	7,471.5	-29.3	-0.6	29.4	12.00	12.00	0.00	
7,500.0	23.19	181.13	7,494.8	-38.6	-0.8	38.6	12.00	12.00	0.00	
7,525.0	26.19	181.13	7,517.5	-49.0	-1.0	49.0	12.00	12.00	0.00	
7,550.0	29.19	181.13	7,539.6	-60.6	-1.2	60.7	12.00	12.00	0.00	
7,575.0	32.19	181.13	7,561.1	-73.4	-1.4	73.4	12.00	12.00	0.00	
7,600.0	35.19	181.13	7,581.9	-87.3	-1.7	87.3	12.00	12.00	0.00	
7,625.0	38.19	181.13	7,601.9	-102.2	-2.0	102.2	12.00	12.00	0.00	
7,650.0	41.19	181.13	7,621.2	-118.2	-2.3	118.2	12.00	12.00	0.00	
7,675.0	44.19	181.13	7,639.6	-135.1	-2.7	135.1	12.00	12.00	0.00	
7,700.0	47.19	181.13	7,657.0	-153.0	-3.0	153.0	12.00	12.00	0.00	
7,725.0	50.19	181.13	7,673.5	-171.8	-3.4	171.8	12.00	12.00	0.00	
7,750.0	53.19	181.13	7,689.0	-191.4	-3.8	191.4	12.00	12.00	0.00	
7,775.0	56.19	181.13	7,703.5	-211.8	-4.2	211.8	12.00	12.00	0.00	
7,800.0	59.19	181.13	7,716.8	-232.9	-4.6	232.9	12.00	12.00	0.00	
7,825.0	62.19	181.13	7,729.0	-254.7	-5.0	254.7	12.00	12.00	0.00	
7,850.0	65.19	181.13	7,740.1	-277.1	-5.4	277.2	12.00	12.00	0.00	
7,875.0	68.19	181.13	7,750.0	-300.1	-5.9	300.1	12.00	12.00	0.00	
7,900.0	71.19	181.13	7,758.7	-323.5	-6.4	323.6	12.00	12.00	0.00	
7,925.0	74.19	181.13	7,766.1	-347.4	-6.8	347.4	12.00	12.00	0.00	
7,950.0	77.19	181.13	7,772.3	-371.6	-7.3	371.6	12.00	12.00	0.00	
7,975.0	80.19	181.13	7,777.2	-396.1	-7.8	396.2	12.00	12.00	0.00	
8,000.0	83.19	181.13	7,780.8	-420.8	-8.3	420.9	12.00	12.00	0.00	
8,025.0	86.19	181.13	7,783.1	-445.7	-8.8	445.8	12.00	12.00	0.00	
8,050.0	89.19	181.13	7,784.1	-470.7	-9.2	470.8	12.00	12.00	0.00	
8,057.5	90.10	181.13	7,784.2	-478.2	-9.4	478.3	12.00	12.00	0.00	
8,100.0	90.10	181.13	7,784.1	-520.7	-10.2	520.8	0.00	0.00	0.00	
8,200.0	90.10	181.13	7,783.9	-620.6	-12.2	620.8	0.00	0.00	0.00	
8,300.0	90.10	181.13	7,783.7	-720.6	-14.2	720.8	0.00	0.00	0.00	

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST-2H
Company:	Permian District	TVD Reference:	RKB @ 3221.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3221.0usft
Site:	Skeen 2-26-27 ST-2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat: 22Jan13		

Planned 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)	
8,400.0	90.10	181.13	7,783.6	-820.6	-16.1	820.8	0.00	0.00	0.00	
8,500.0	90.10	181.13	7,783.4	-920.6	-18.1	920.8	0.00	0.00	0.00	
8,600.0	90.10	181.13	7,783.2	-1,020.6	-20.1	1,020.8	0.00	0.00	0.00	
8,700.0	90.10	181.13	7,783.1	-1,120.5	-22.0	1,120.8	0.00	0.00	0.00	
8,800.0	90.10	181.13	7,782.9	-1,220.5	-24.0	1,220.8	0.00	0.00	0.00	
8,900.0	90.10	181.13	7,782.7	-1,320.5	-25.9	1,320.8	0.00	0.00	0.00	
9,000.0	90.10	181.13	7,782.5	-1,420.5	-27.9	1,420.8	0.00	0.00	0.00	
9,100.0	90.10	181.13	7,782.4	-1,520.5	-29.9	1,520.8	0.00	0.00	0.00	
9,200.0	90.10	181.13	7,782.2	-1,620.4	-31.8	1,620.8	0.00	0.00	0.00	
9,300.0	90.10	181.13	7,782.0	-1,720.4	-33.8	1,720.8	0.00	0.00	0.00	
9,400.0	90.10	181.13	7,781.8	-1,820.4	-35.8	1,820.8	0.00	0.00	0.00	
9,500.0	90.10	181.13	7,781.7	-1,920.4	-37.7	1,920.8	0.00	0.00	0.00	
9,600.0	90.10	181.13	7,781.5	-2,020.4	-39.7	2,020.8	0.00	0.00	0.00	
9,700.0	90.10	181.13	7,781.3	-2,120.3	-41.7	2,120.8	0.00	0.00	0.00	
9,800.0	90.10	181.13	7,781.1	-2,220.3	-43.6	2,220.8	0.00	0.00	0.00	
9,900.0	90.10	181.13	7,781.0	-2,320.3	-45.6	2,320.8	0.00	0.00	0.00	
10,000.0	90.10	181.13	7,780.8	-2,420.3	-47.6	2,420.8	0.00	0.00	0.00	
10,100.0	90.10	181.13	7,780.6	-2,520.3	-49.5	2,520.8	0.00	0.00	0.00	
10,200.0	90.10	181.13	7,780.4	-2,620.2	-51.5	2,620.8	0.00	0.00	0.00	
10,300.0	90.10	181.13	7,780.3	-2,720.2	-53.4	2,720.8	0.00	0.00	0.00	
10,400.0	90.10	181.13	7,780.1	-2,820.2	-55.4	2,820.8	0.00	0.00	0.00	
10,500.0	90.10	181.13	7,779.9	-2,920.2	-57.4	2,920.8	0.00	0.00	0.00	
10,600.0	90.10	181.13	7,779.7	-3,020.2	-59.3	3,020.8	0.00	0.00	0.00	
10,700.0	90.10	181.13	7,779.6	-3,120.2	-61.3	3,120.8	0.00	0.00	0.00	
10,800.0	90.10	181.13	7,779.4	-3,220.1	-63.3	3,220.8	0.00	0.00	0.00	
10,900.0	90.10	181.13	7,779.2	-3,320.1	-65.2	3,320.8	0.00	0.00	0.00	
11,000.0	90.10	181.13	7,779.0	-3,420.1	-67.2	3,420.8	0.00	0.00	0.00	
11,100.0	90.10	181.13	7,778.9	-3,520.1	-69.2	3,520.8	0.00	0.00	0.00	
11,200.0	90.10	181.13	7,778.7	-3,620.1	-71.1	3,620.8	0.00	0.00	0.00	
11,300.0	90.10	181.13	7,778.5	-3,720.0	-73.1	3,720.8	0.00	0.00	0.00	
11,400.0	90.10	181.13	7,778.3	-3,820.0	-75.1	3,820.8	0.00	0.00	0.00	
11,500.0	90.10	181.13	7,778.2	-3,920.0	-77.0	3,920.8	0.00	0.00	0.00	
11,600.0	90.10	181.13	7,778.0	-4,020.0	-79.0	4,020.8	0.00	0.00	0.00	
11,700.0	90.10	181.13	7,777.8	-4,120.0	-80.9	4,120.8	0.00	0.00	0.00	
11,800.0	90.10	181.13	7,777.6	-4,219.9	-82.9	4,220.8	0.00	0.00	0.00	
11,900.0	90.10	181.13	7,777.5	-4,319.9	-84.9	4,320.8	0.00	0.00	0.00	
12,000.0	90.10	181.13	7,777.3	-4,419.9	-86.8	4,420.8	0.00	0.00	0.00	
12,100.0	90.10	181.13	7,777.1	-4,519.9	-88.8	4,520.8	0.00	0.00	0.00	
12,200.0	90.10	181.13	7,776.9	-4,619.9	-90.8	4,620.7	0.00	0.00	0.00	
12,300.0	90.10	181.13	7,776.8	-4,719.8	-92.7	4,720.7	0.00	0.00	0.00	
12,400.0	90.10	181.13	7,776.6	-4,819.8	-94.7	4,820.7	0.00	0.00	0.00	
12,500.0	90.10	181.13	7,776.4	-4,919.8	-96.7	4,920.7	0.00	0.00	0.00	
12,568.2	90.10	181.13	7,776.3	-4,988.0	-98.0	4,989.0	0.00	0.00	0.00	

Chesapeake Operating Planning Report

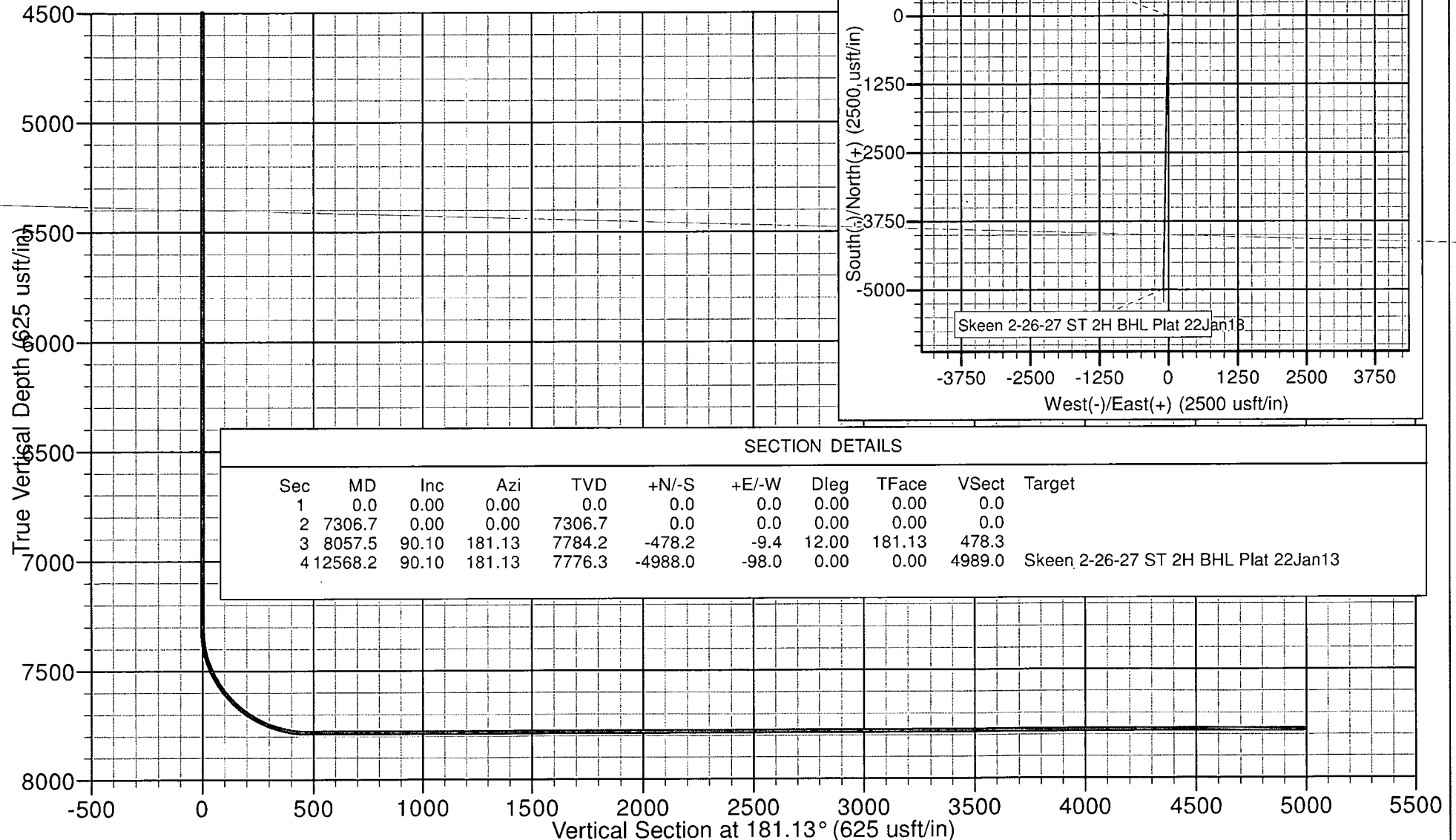
Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 2H
Company:	Permian District	TVD Reference:	RKB @ 3221.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3221.0usft
Site:	Skeen 2-26-27 ST 2H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat: 22Jan13		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(ft)	(ft)		
- Shape									
Skeen 2-26-27 ST 2H	0.00	0.00	0.0	0.0	0.0	392,296.00	552,860.00	° 4' 42.31291299 N	° 9' 45.62117407 W
- plan hits target center									
- Point									
Skeen 2-26-27 ST 2H	0.00	0.00	7,776.3	-4,988.0	-98.0	387,308.00	552,762.00	° 3' 52.95039920 N	° 9' 46.85172957 W
- plan hits target center									
- Point									

Project: NM - Bone Spring Sand Project
 Site: Skeen 2-26-27 ST 2H
 Well: Well #1
 Wellbore: Wellbore #1
 Design: Plat 22Jan13

PROJECT DETAILS: NM - Bone Spring Sand Project

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Subbasin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<u>C 02588</u>		C	ED	3	4	3	33	25S	27E	575645	3549575*	81	19	62
												Average Depth to Water:	19 feet	
												Minimum Depth:	19 feet	
												Maximum Depth:	19 feet	

Record Count: 1

Basin/County Search:

Basin: Carlsbad

County: Eddy

Subbasin: Carlsbad

PLSS Search:

Section(s): 1-36

Township: 25S

Range: 27E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Subbasin	County	Q Q Q	4 Sec Tws Rng	X	Y	Depth Water	Depth Water	Water
								Well	Column	Column
<u>C 02930</u>		C	ED	2 3 4	22 26S 27E	577938	3543284*	100	50	50
								Average Depth to Water:	50 feet	
								Minimum Depth:	50 feet	
								Maximum Depth:	50 feet	

Record Count: 1

Basin/County Search:

Basin: Carlsbad

County: Eddy

Subbasin: Carlsbad

PLSS Search:

Section(s): 1-36

Township: 26S

Range: 27E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER COLUMN/ AVERAGE
DEPTH TO WATER