

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

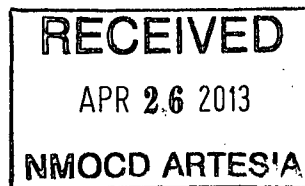
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-41118
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Chevron USA, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 15 Smith Road Midland, TX 79705		7. Lease Name or Unit Agreement Name SKEEN 2 26 27 ST
4. Well Location Unit Letter A : 175' feet from the North line and 400' feet from the East line Section 2 Township 26 S Range 27 E NMPM County Eddy		8. Well Number 4H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3159' GL		9. OGRID Number 4323
		10. Pool name or Wildcat DELAWARE RIVER; BONE SPRING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☒	
DOWNHOLE COMMINGLE ☐			
OTHER: Move Surface Hole Location ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please find our request to move the surface location of this well in order to accommodate a larger drilling rig.
The amended NMOCD C-102 plat, C-144 (CLEZ) pit permit, and directional drill planning report are attached.
The NSL application is to be/has been submitted.



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

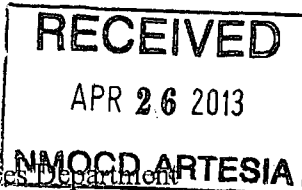
SIGNATURE Bryan Arrant TITLE Regulatory Specialist II DATE 04/19/2013

Type or print name Bryan Arrant (Agent for Chevron) E-mail address: bryan.arrant@chkc.com PHONE: (405)935-3782
For State Use Only

APPROVED BY: [Signature] TITLE Deputy Supervisor DATE 5/1/2013
Conditions of Approval (if any):

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: (505) 748-1283 Fax: (505) 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
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 30-015-41118	² Pool Code 16800	³ Pool Name DELAWARE RIVER; BONE SPRING
⁴ Property Code 39683	⁵ Property Name SKEEN 2 26 27 ST	
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁶ Well Number 4H ⁹ Elevation 3159'

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
A	2	26 SOUTH	27 EAST, N.M.P.M.		175'	NORTH	400'	EAST	EDDY

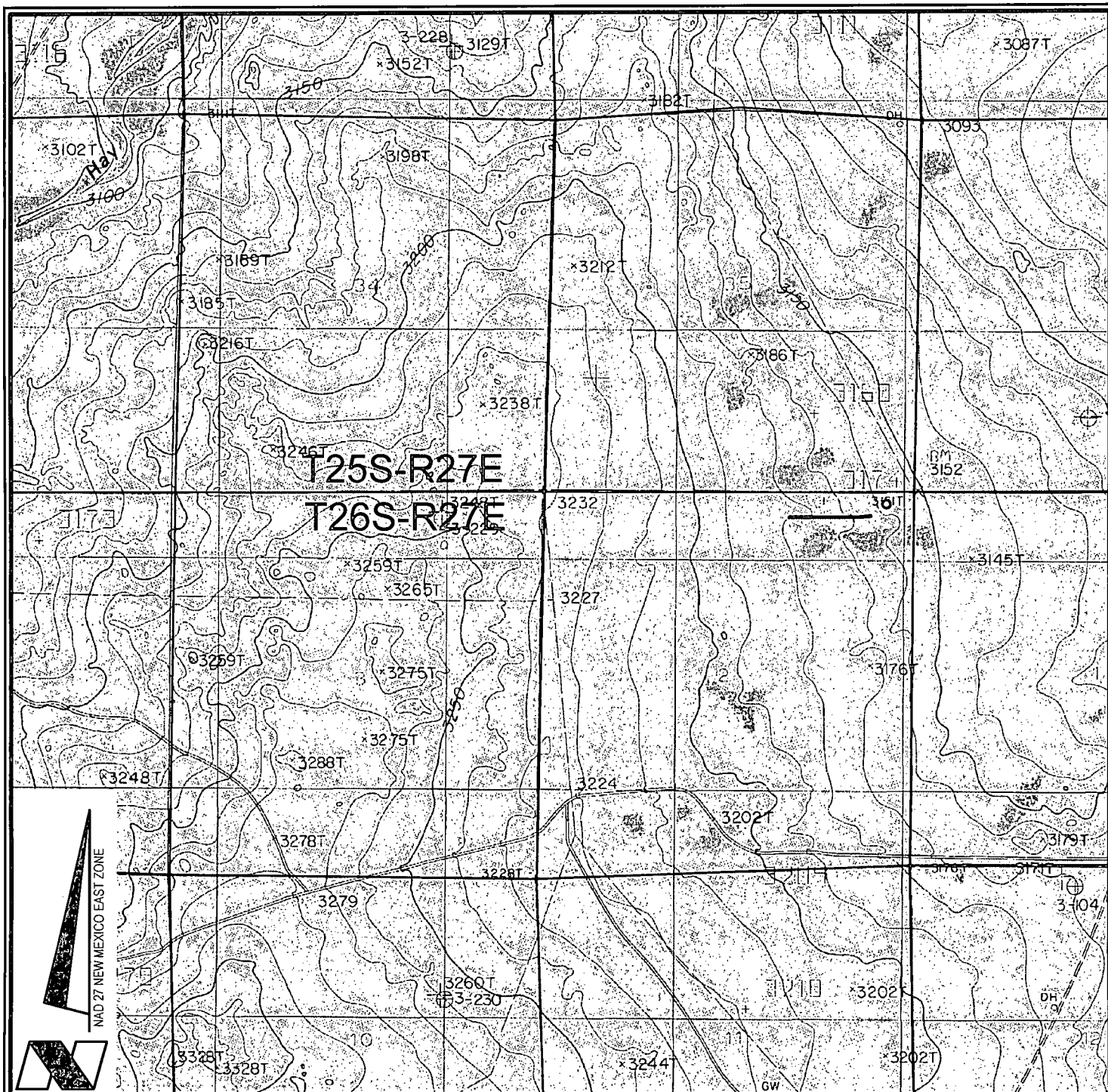
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	26 SOUTH	27 EAST, N.M.P.M.		250'	SOUTH	400'	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SKEEN 2 26 27 ST NO. 4H WELL X= 555,797 NAD 27 Y= 392,269 LAT. 32.078334 LONG. 104.153188 X= 596,981 NAD83 Y= 392,326 LAT. 32.078456 LONG. 104.153679 ELEVATION +3159' NAVD 88	Proposed Penetration Point 330' FNL & 400' FEL S 00°32'21"W 4905.34' Project Area Producing Area	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> 4/19/2013 Signature Date Bryan Arrant (Agent for Chevron) Printed Name bryan.arrant@chik.com E-mail Address
		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. 4.18.13 Date of Survey <i>Wm J. Daniel III</i> Signature and Seal of Professional Surveyor WIM J. DANIEL III NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15078 15078 Surveyor Number



VICINITY MAP

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

CHEVRON U.S.A. INC.

SKEEN 2-26-27 ST NO. 4H WELL
LOCATED 175' FNL AND 400' FEL
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

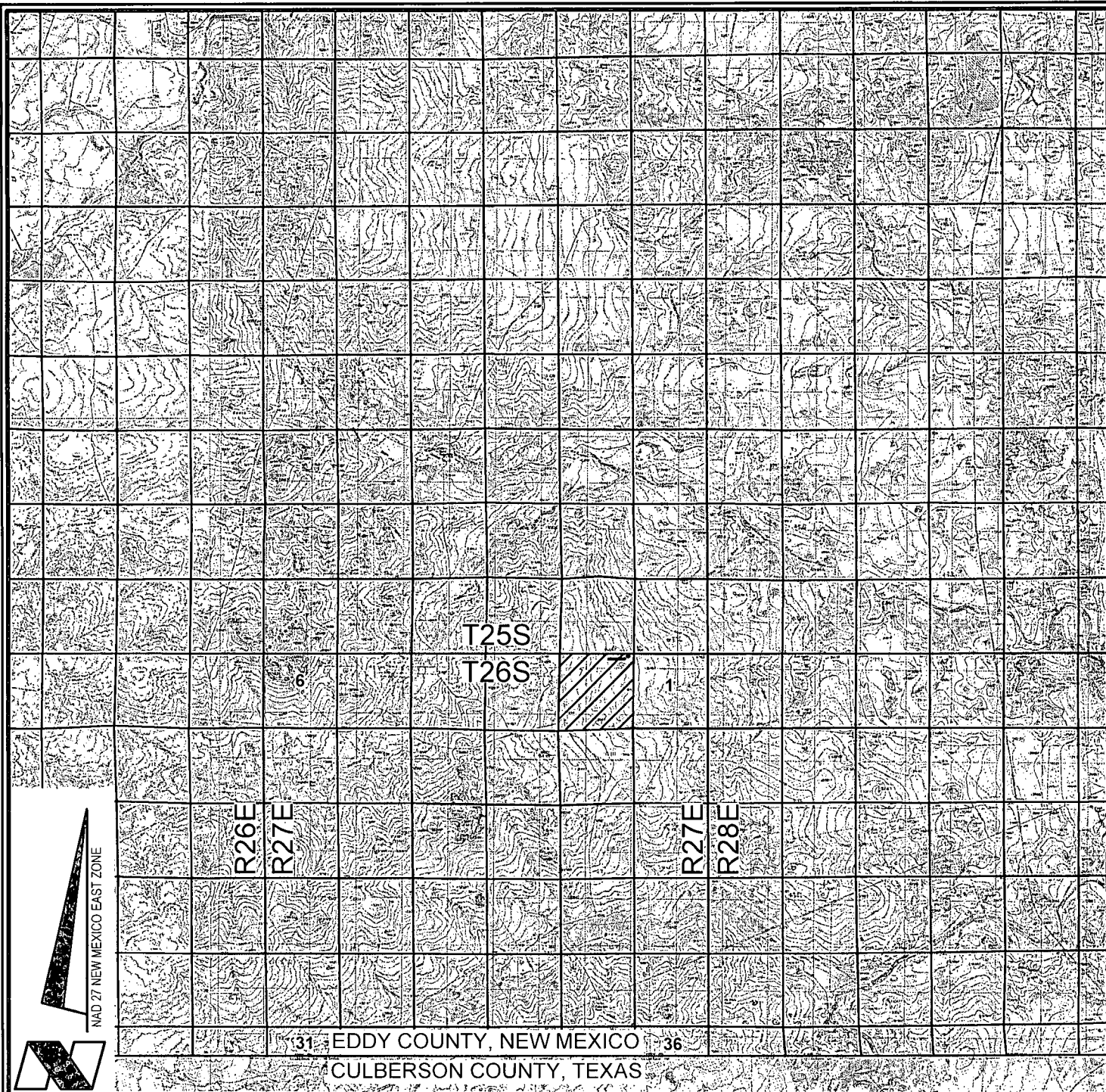
PROJ. MGR.: DBM

REVISED: 04/09/2013 BMO

DATE: 01/25/2013

SHEET 1 OF 3 SHEETS

FILENAME: T:\2013\2139002\DWG\CUI-Skeen 2-26-27 ST 4H APD.dwg



VICINITY MAP

10,000' 0 5,000' 10,000'
 Scale: 1" = 10,000'

CHEVRON U.S.A. INC.

SKEEN 2-26-27 ST NO. 4H WELL

LOCATED 175' FNL AND 400' FEL

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

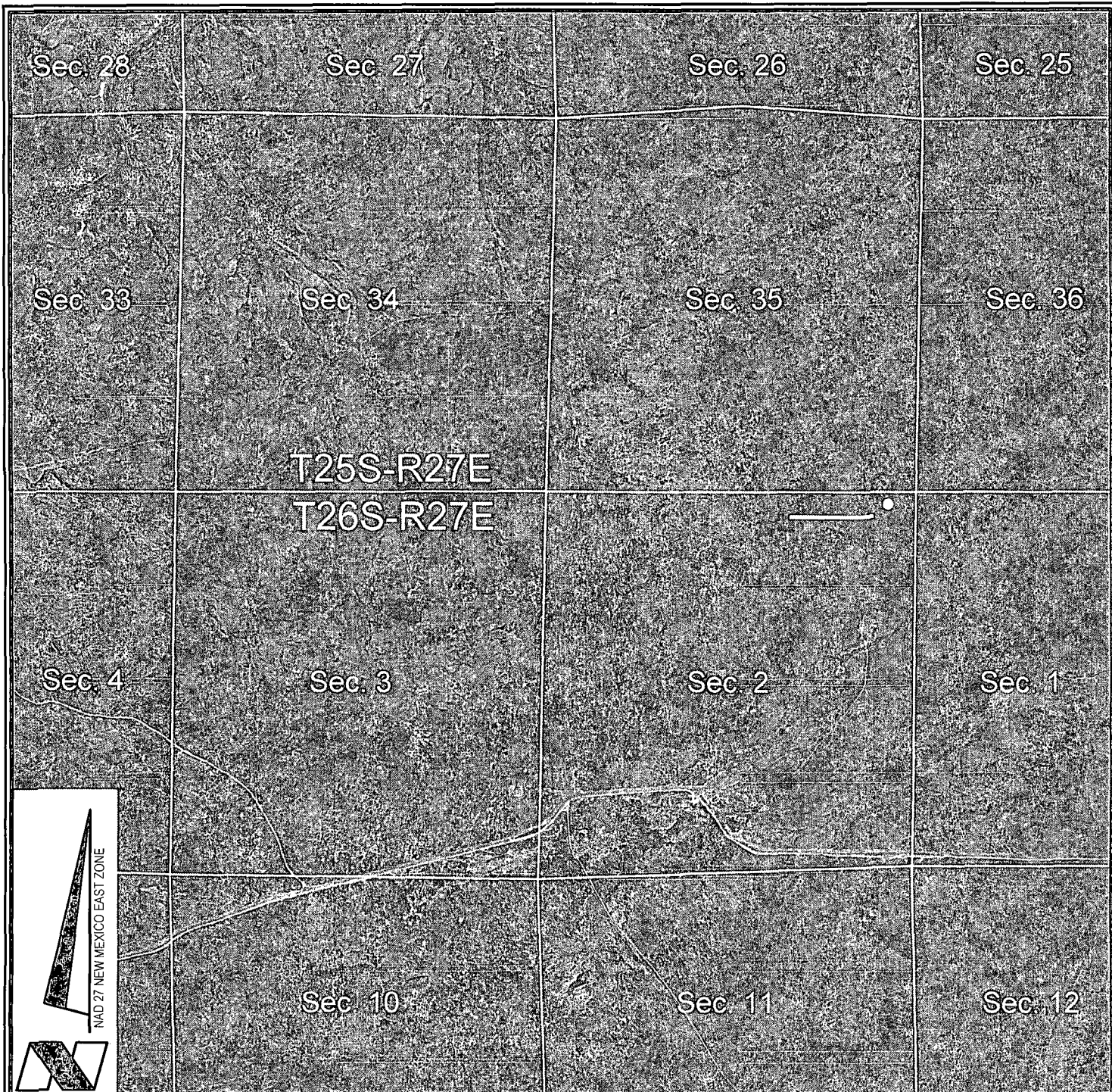
PROJ. MGR.: DBM

REVISED: 04/09/2013 BMO

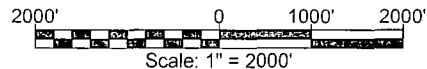
DATE: 01/25/2013

SHEET 2 OF 3 SHEETS

FILENAME: T:\2013\2139002\DWG\CUI-Skeen 2-26-27 ST 4H APD.dwg



VICINITY MAP



 = FEDERAL LAND

 = FEE LAND

 = STATE LAND

CHEVRON U.S.A. INC.

SKEEN 2-26-27 ST NO. 4H WELL

LOCATED 175' FNL AND 400' FEL

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

PROJ. MGR.: DBM

REVISED: 04/09/2013 BMO

DATE: 01/25/2013

SHEET 3 OF 3 SHEETS

FILENAME: T:\2013\2139002\DWG\ICUI-Skeen 2-26-27 ST 4H APD.dwg

LEGEND

- Proposed Well
- Found Occupation
- Section Line

Proposed Pad &
Access Road for
Skeen 2-26-27 ST
No. 3H Well
(As-Staked)

Sec. 35
Bureau of Land Management

T25S-R27E
T26S-R27E

PROPOSED
ACCESS ROAD
14' X ±1181'
±0.38 Acres
±71.58 Rods

Skeen 2-26-27 St
No. 4H Well
FNL=175'
FEL=400'

PROPOSED
ARCHAEOLOGICAL AREA
±5.23 Acres

PROPOSED PAD
±3.03 Acres

Sec. 36
State of New Mexico

Fnd. 1 1/2" Iron Pipe
w/Cap for Northeast
Corner of Section 2

Sec. 1
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.

Sec. 2
State of New Mexico



WM. J. Daniel III
Registration No. 15078

Scale: 1"=200'

200' 0' 100' 200'

SKEEN 2-26-27 ST NO. 4H WELL	
X= 555,797	NAD 27
Y= 392,269	
LAT. 32.078334	
LONG. 104.153188	
X= 596,981	NAD83
Y= 392,326	
LAT. 32.078456	
LONG. 104.153679	
ELEVATION +3159' NAVD 88	

NW ARCH. AREA CRN.		NE ARCH. AREA CRN.		SE ARCH. AREA CRN.		SW ARCH. AREA CRN.	
X= 555,477	NAD 27	X= 556,077	NAD 27	X= 556,077	NAD 27	X= 555,477	NAD 27
Y= 392,554		Y= 392,553		Y= 391,953		Y= 391,954	
ELEVATION +3162' NAVD 88		ELEVATION +3154' NAVD 88		ELEVATION +3158' NAVD 88		ELEVATION +3168' NAVD 88	
NW PAD CRN.		NE PAD CRN.		SE PAD CRN.		SW PAD CRN.	
X= 555,577	NAD 27	X= 555,977	NAD 27	X= 555,977	NAD 27	X= 555,577	NAD 27
Y= 392,419		Y= 392,418		Y= 392,088		Y= 392,089	
ELEVATION +3161' NAVD 88		ELEVATION +3156' NAVD 88		ELEVATION +3158' NAVD 88		ELEVATION +3164' NAVD 88	

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.mnoneycall.org/>.

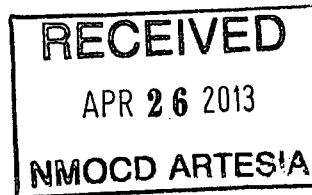
DISCLAIMER: AT THIS TIME, FENSTERMAKER & ASSOCIATES, LLC HAS NOT PERFORMED NOR WAS ASKED TO PERFORM ANY TYPE OF ENGINEERING, HYDROLOGICAL MODELING, FLOOD PLAIN, OR "NO RISE" CERTIFICATION ANALYSES, INCLUDING BUT NOT LIMITED TO DETERMINING WHETHER THE PROJECT WILL IMPACT FLOOD HAZARDS IN CONNECTION WITH 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.

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SKEEN 2-26-27 ST NO. 4H WELL
SECTION 2, T26S-R27E
EDDY COUNTY, NEW MEXICO.

DRAWN BY: BMO		REVISIONS	
PROJ. MGR: DBM.	No. 1	DATE: 04/09/2013	REVISED BY: BMO
DATE: 01/25/2013	No.:	DATE:	REVISED BY:
FILENAME: T:\2013\2139002\DWG\CUI-Skeen 2-26-27 ST 4H SUP.dwg.			



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



Permian District

NM - Bone Spring Sand Project

Skeen 2-26-27 ST 4H

Skeen 2-26-27 ST 4H

Wellbore #1

Plan: Plat 18Apr13

Standard Planning Report

22 April, 2013

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 4H
Company:	Permian District	TVD Reference:	RKB @ 3175.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3175.0usft
Site:	Skeen 2-26-27 ST 4H	North Reference:	Grid
Well:	Skeen 2-26-27 ST 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 18Apr13		

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 4H		
Site Position:		Northing:	392,269.00 ft
From:	Map	Easting:	555,797.00 ft
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in
		Latitude:	32° 4' 41.99844990 N
		Longitude:	104° 9' 11.48516184 W
		Grid Convergence:	0.10 °

Well:	Skeen 2-26-27 ST 4H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,158.0 usft
		Latitude:	32° 4' 41.99844990 N
		Longitude:	104° 9' 11.48516184 W
		Ground Level:	3,158.0 usft

Wellbore:	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	2/11/2013	(°)
			7.64
			Dip Angle
			(°)
			59.91
			Field Strength
			(nT)
			48,300

Design:	Plat 18Apr13		
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
			(°)
			180.54

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,325.3	0.00	0.00	7,325.3	0.0	0.0	0.00	0.00	0.00	0.00	
8,077.8	90.30	180.54	7,802.8	-479.9	-4.5	12.00	12.00	0.00	180.54	
12,504.1	90.30	180.54	7,779.6	-4,906.0	-46.0	0.00	0.00	0.00	0.00	Skeen 2-26-27 ST 4

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site: Skeen 2-26-27 ST 4H
Company:	Permian District	TVD Reference:	RKB @ 3175.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3175.0usft
Site:	Skeen 2-26-27 ST 4H	North Reference:	Grid
Well:	Skeen 2-26-27 ST 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 18Apr13		

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
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
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 4H
Company:	Permian District	TVD Reference:	RKB @ 3175.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3175.0usft
Site:	Skeen 2-26-27 ST 4H	North Reference:	Grid
Well:	Skeen 2-26-27 ST 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 18 Apr 13		

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
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,325.3	0.00	0.00	7,325.3	0.0	0.0	0.0	0.00	0.00	0.00
7,350.0	2.96	180.54	7,350.0	-0.6	0.0	0.6	12.00	12.00	0.00
7,375.0	5.96	180.54	7,374.9	-2.6	0.0	2.6	12.00	12.00	0.00
7,400.0	8.96	180.54	7,399.7	-5.8	-0.1	5.8	12.00	12.00	0.00
7,425.0	11.96	180.54	7,424.3	-10.4	-0.1	10.4	12.00	12.00	0.00
7,450.0	14.96	180.54	7,448.6	-16.2	-0.2	16.2	12.00	12.00	0.00
7,475.0	17.96	180.54	7,472.6	-23.3	-0.2	23.3	12.00	12.00	0.00
7,500.0	20.96	180.54	7,496.1	-31.6	-0.3	31.6	12.00	12.00	0.00
7,525.0	23.96	180.54	7,519.2	-41.1	-0.4	41.1	12.00	12.00	0.00
7,550.0	26.96	180.54	7,541.8	-51.9	-0.5	51.9	12.00	12.00	0.00
7,575.0	29.96	180.54	7,563.8	-63.8	-0.6	63.8	12.00	12.00	0.00
7,600.0	32.96	180.54	7,585.1	-76.9	-0.7	76.9	12.00	12.00	0.00
7,625.0	35.96	180.54	7,605.7	-91.0	-0.9	91.0	12.00	12.00	0.00
7,650.0	38.96	180.54	7,625.5	-106.2	-1.0	106.2	12.00	12.00	0.00
7,675.0	41.96	180.54	7,644.6	-122.4	-1.1	122.4	12.00	12.00	0.00
7,700.0	44.96	180.54	7,662.7	-139.6	-1.3	139.6	12.00	12.00	0.00
7,725.0	47.96	180.54	7,679.9	-157.7	-1.5	157.7	12.00	12.00	0.00
7,750.0	50.96	180.54	7,696.2	-176.7	-1.7	176.7	12.00	12.00	0.00
7,775.0	53.96	180.54	7,711.4	-196.6	-1.8	196.6	12.00	12.00	0.00
7,800.0	56.96	180.54	7,725.6	-217.1	-2.0	217.2	12.00	12.00	0.00
7,825.0	59.96	180.54	7,738.7	-238.4	-2.2	238.5	12.00	12.00	0.00
7,850.0	62.96	180.54	7,750.6	-260.4	-2.4	260.4	12.00	12.00	0.00
7,875.0	65.96	180.54	7,761.4	-283.0	-2.7	283.0	12.00	12.00	0.00
7,900.0	68.96	180.54	7,771.0	-306.0	-2.9	306.1	12.00	12.00	0.00
7,925.0	71.96	180.54	7,779.3	-329.6	-3.1	329.6	12.00	12.00	0.00
7,950.0	74.96	180.54	7,786.4	-353.6	-3.3	353.6	12.00	12.00	0.00
7,975.0	77.96	180.54	7,792.3	-377.9	-3.5	377.9	12.00	12.00	0.00
8,000.0	80.96	180.54	7,796.9	-402.4	-3.8	402.5	12.00	12.00	0.00
8,025.0	83.96	180.54	7,800.1	-427.2	-4.0	427.2	12.00	12.00	0.00
8,050.0	86.96	180.54	7,802.1	-452.1	-4.2	452.2	12.00	12.00	0.00
8,075.0	89.96	180.54	7,802.8	-477.1	-4.5	477.1	12.00	12.00	0.00
8,077.8	90.30	180.54	7,802.8	-479.9	-4.5	480.0	12.00	12.00	0.00
8,100.0	90.30	180.54	7,802.7	-502.1	-4.7	502.1	0.00	0.00	0.00
8,200.0	90.30	180.54	7,802.1	-602.1	-5.6	602.1	0.00	0.00	0.00

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site: Skeen 2-26-27 ST 4H
Company:	Permian District	TVD Reference:	RKB @ 3175.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3175.0usft
Site:	Skeen 2-26-27 ST 4H	North Reference:	Grid
Well:	Skeen 2-26-27 ST 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat. 18Apr13		

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)
8,300.0	90.30	180.54	7,801.6	-702.1	-6.6	702.1	0.00	0.00	0.00
8,400.0	90.30	180.54	7,801.1	-802.1	-7.5	802.1	0.00	0.00	0.00
8,500.0	90.30	180.54	7,800.6	-902.1	-8.5	902.1	0.00	0.00	0.00
8,600.0	90.30	180.54	7,800.0	-1,002.1	-9.4	1,002.1	0.00	0.00	0.00
8,700.0	90.30	180.54	7,799.5	-1,102.1	-10.3	1,102.1	0.00	0.00	0.00
8,800.0	90.30	180.54	7,799.0	-1,202.1	-11.3	1,202.1	0.00	0.00	0.00
8,900.0	90.30	180.54	7,798.5	-1,302.1	-12.2	1,302.1	0.00	0.00	0.00
9,000.0	90.30	180.54	7,797.9	-1,402.1	-13.1	1,402.1	0.00	0.00	0.00
9,100.0	90.30	180.54	7,797.4	-1,502.1	-14.1	1,502.1	0.00	0.00	0.00
9,200.0	90.30	180.54	7,796.9	-1,602.1	-15.0	1,602.1	0.00	0.00	0.00
9,300.0	90.30	180.54	7,796.4	-1,702.1	-16.0	1,702.1	0.00	0.00	0.00
9,400.0	90.30	180.54	7,795.9	-1,802.0	-16.9	1,802.1	0.00	0.00	0.00
9,500.0	90.30	180.54	7,795.3	-1,902.0	-17.8	1,902.1	0.00	0.00	0.00
9,600.0	90.30	180.54	7,794.8	-2,002.0	-18.8	2,002.1	0.00	0.00	0.00
9,700.0	90.30	180.54	7,794.3	-2,102.0	-19.7	2,102.1	0.00	0.00	0.00
9,800.0	90.30	180.54	7,793.8	-2,202.0	-20.6	2,202.1	0.00	0.00	0.00
9,900.0	90.30	180.54	7,793.2	-2,302.0	-21.6	2,302.1	0.00	0.00	0.00
10,000.0	90.30	180.54	7,792.7	-2,402.0	-22.5	2,402.1	0.00	0.00	0.00
10,100.0	90.30	180.54	7,792.2	-2,502.0	-23.5	2,502.1	0.00	0.00	0.00
10,200.0	90.30	180.54	7,791.7	-2,602.0	-24.4	2,602.1	0.00	0.00	0.00
10,300.0	90.30	180.54	7,791.1	-2,702.0	-25.3	2,702.1	0.00	0.00	0.00
10,400.0	90.30	180.54	7,790.6	-2,802.0	-26.3	2,802.1	0.00	0.00	0.00
10,500.0	90.30	180.54	7,790.1	-2,902.0	-27.2	2,902.1	0.00	0.00	0.00
10,600.0	90.30	180.54	7,789.6	-3,002.0	-28.1	3,002.1	0.00	0.00	0.00
10,700.0	90.30	180.54	7,789.0	-3,102.0	-29.1	3,102.1	0.00	0.00	0.00
10,800.0	90.30	180.54	7,788.5	-3,202.0	-30.0	3,202.1	0.00	0.00	0.00
10,900.0	90.30	180.54	7,788.0	-3,302.0	-31.0	3,302.1	0.00	0.00	0.00
11,000.0	90.30	180.54	7,787.5	-3,402.0	-31.9	3,402.1	0.00	0.00	0.00
11,100.0	90.30	180.54	7,787.0	-3,502.0	-32.8	3,502.1	0.00	0.00	0.00
11,200.0	90.30	180.54	7,786.4	-3,601.9	-33.8	3,602.1	0.00	0.00	0.00
11,300.0	90.30	180.54	7,785.9	-3,701.9	-34.7	3,702.1	0.00	0.00	0.00
11,400.0	90.30	180.54	7,785.4	-3,801.9	-35.6	3,802.1	0.00	0.00	0.00
11,500.0	90.30	180.54	7,784.9	-3,901.9	-36.6	3,902.1	0.00	0.00	0.00
11,600.0	90.30	180.54	7,784.3	-4,001.9	-37.5	4,002.1	0.00	0.00	0.00
11,700.0	90.30	180.54	7,783.8	-4,101.9	-38.5	4,102.1	0.00	0.00	0.00
11,800.0	90.30	180.54	7,783.3	-4,201.9	-39.4	4,202.1	0.00	0.00	0.00
11,900.0	90.30	180.54	7,782.8	-4,301.9	-40.3	4,302.1	0.00	0.00	0.00
12,000.0	90.30	180.54	7,782.2	-4,401.9	-41.3	4,402.1	0.00	0.00	0.00
12,100.0	90.30	180.54	7,781.7	-4,501.9	-42.2	4,502.1	0.00	0.00	0.00
12,200.0	90.30	180.54	7,781.2	-4,601.9	-43.1	4,602.1	0.00	0.00	0.00
12,300.0	90.30	180.54	7,780.7	-4,701.9	-44.1	4,702.1	0.00	0.00	0.00
12,400.0	90.30	180.54	7,780.1	-4,801.9	-45.0	4,802.1	0.00	0.00	0.00
12,504.1	90.30	180.54	7,779.6	-4,906.0	-46.0	4,906.2	0.00	0.00	0.00

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 4H
Company:	Permian District	TVD Reference:	RKB @ 3175.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3175.0usft
Site:	Skeen 2-26-27 ST 4H	North Reference:	Grid
Well:	Skeen 2-26-27 ST 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 18 Apr 13		

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 4H	0.00	0.00	0.0	0.0	0.0	392,269.00	555,797.00	41° 41' 41.99844990 N	9° 11' 11.48516184 W
- plan hits target center									
- Point									
Skeen 2-26-27 ST 4H	0.00	0.01	7,779.6	-4,906.0	-46.0	387,363.00	555,751.00	3° 53' 53.44670646 N	9° 12' 11.1491877 W
- plan hits target center									
- Point									

Project: NM - Bone Spring Sand Project

Site: Skeen 2-26-27 ST 4H

Well: Skeen 2-26-27 ST 4H

Wellbore: Wellbore #1

Design: Plat 18Apr13

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

