

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. FEB 1 2013

Santa Fe, NM 87505

RECEIVED

AMENDED REPORT

NMOCD ARTESIA

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

Operator Name and Address Chevron USA, Inc. 15 Smith Road Midland, TX 79705		OGRID Number 4323	
Property Code 39683		Property Name SKEEN 2 26 27 ST	
API Number 30-015-41046		Well No. 1H	

7. Surface Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	2	26S	27E		150'	N	400'	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
M	2	26S	27E		330'	S	400'	W	EDDY

9. Pool Information	
DELaware RIVER; BONE SPRING	Pool Code 16800

Additional Well Information					
11. Work Type N	12. Well Type O	13. Cable/Rotary R	14. Lease Type S	15. Ground Level Elevation 3226' GR	
16. Multiple N	17. Proposed Depth 12,721'	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#	2275'	1000	0'
Production	8 3/4"	5 1/2"	17#	12,721'	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: <i>Bryan Arant</i>		OIL CONSERVATION DIVISION Approved By: <i>T.C. Shepard</i> Title: <i>Geologist</i> Approved Date: <i>2/5/2013</i> Expiration Date: <i>2/5/2015</i>	
Printed name: Bryan Arant (Agent for Chevron)		Conditions of Approval Attached	
Title: Regulatory Specialist II			
E-mail Address: bryan.arant@chk.com			
Date: 01/31/2013	Phone: (405)935-3782		

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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 30-015-41046	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 1H
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.		⁹ Elevation 3226'

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
D	2	26 SOUTH	27 EAST, N.M.P.M.		150'	NORTH	400'	WEST	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
M	2	26 SOUTH	27 EAST, N.M.P.M.		330'	SOUTH	400'	WEST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ 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.

	SKEEN 2 26 27 ST NO. 1H WELL X= 551,280 NAD 27 Y= 392,298 LAT. 32.078434 LONG. 104.167770 X= 592,464 NADB3 Y= 392,355 LAT. 32.078556 LONG. 104.168262 ELEVATION +3226' 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 released 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> 01/31/2013 Signature Date Bryan Arrant (Agent for Chevron) Printed Name bryan.arrant@chk.com E-mail Address
	PROPOSED BOTTOM HOLE LOCATION X= 551,179 NAD 27 Y= 387,152 LAT. 32.084289 LONG. 104.168122 X= 592,363 NADB3 Y= 387,209 LAT. 32.084411 LONG. 104.168614	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 22, 2013 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Wm. J. Daniel III NEW MEXICO 15078 REGISTERED PROFESSIONAL SURVEYOR Certificate Number #15078

SKEEN 2 26 27 ST 1H

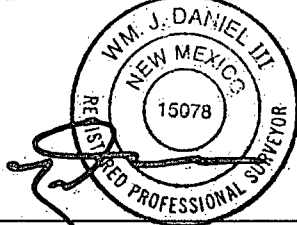
NMOCD's forms C-102, C-144(CLEZ) pit permit, casing program, directional planning report, depth to ground water reports, and other information is enclosed. There are no known high levels of H₂S in this area. However, monitoring of H₂S and well readiness will be utilized in the drilling of this well. This well will not require a NSL as operator will comply with NMOCD's horizontal rules. The first perf will be +/- 40' behind the float shoe (TD of well). Surface hole will be drilled with fresh water mud, intermediate-brine and production hole with cut-brine.

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

NOTE:

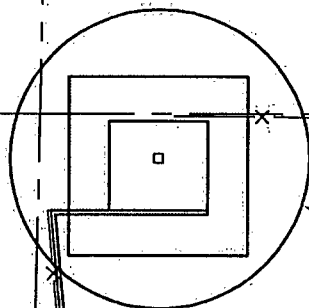
PLEASE BE ADVISED, THAT WHILE REASONABLE EFFORTS
ARE MADE TO LOCATE AND VERIFY PIPELINES AND
ANOMALIES USING OUR STANDARD PIPELINE LOCATING
EQUIPMENT, IT IS IMPOSSIBLE TO BE 100% EFFECTIVE. AS
SUCH, WE ADVISE USING CAUTION WHEN PERFORMING
WORK AS THERE IS A POSSIBILITY THAT PIPELINES AND
OTHER HAZARDS,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



LEGEND	
	Proposed Well
	Section Line
	Existing Road



Sec. 35
Bureau of Land Management

Existing Fenceline

SEE INSET

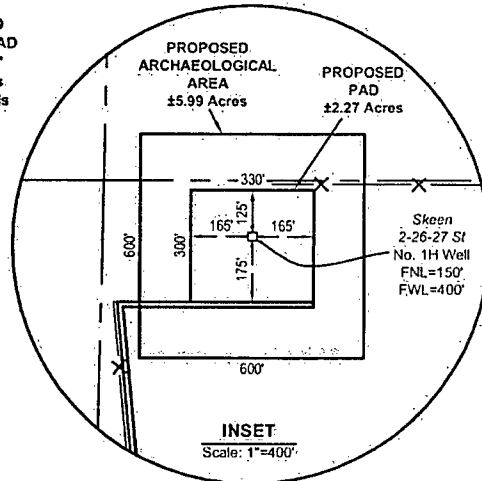
Sec. 2
State of New Mexico

PROPOSED
ACCESS ROAD
14' X ±4553'
±1.46 Acres
±275.97 Rods

Existing Fenceline

Whites City
Road

Existing
Cattle Guard



NW PAD CRN.		NW ARCH. AREA CRN.	
X=	551,115 NAD 27	X=	550,980 NAD 27
Y=	392,423	Y=	392,573
ELEVATION +3225' NAVD 88		ELEVATION +3232' NAVD 88	
NE PAD CRN.		NE ARCH. AREA CRN.	
X=	551,445 NAD 27	X=	551,580 NAD 27
Y=	392,423	Y=	392,573
ELEVATION +3225' NAVD 88		ELEVATION +3224' NAVD 88	
SE PAD CRN.		SE ARCH. AREA CRN.	
X=	551,445 NAD 27	X=	551,580 NAD 27
Y=	392,123	Y=	391,972
ELEVATION +3225' NAVD 88		ELEVATION +3223' NAVD 88	
SW PAD CRN.		SW ARCH. AREA CRN.	
X=	551,115 NAD 27	X=	550,980 NAD 27
Y=	392,123	Y=	391,973
ELEVATION +3226' NAVD 88		ELEVATION +3230' NAVD 88	

SKEEN 2-26-27 ST 1H	
X=	551,280 NAD 27
Y=	392,298
LAT.	32.078434
LONG.	104.167770
X=	592,464 NAD83
Y=	392,355
LAT.	32.078556
LONG.	104.168262
ELEVATION +3226' NAVD 88	

SURFACE USE PLAT

Scale: 1"=500'

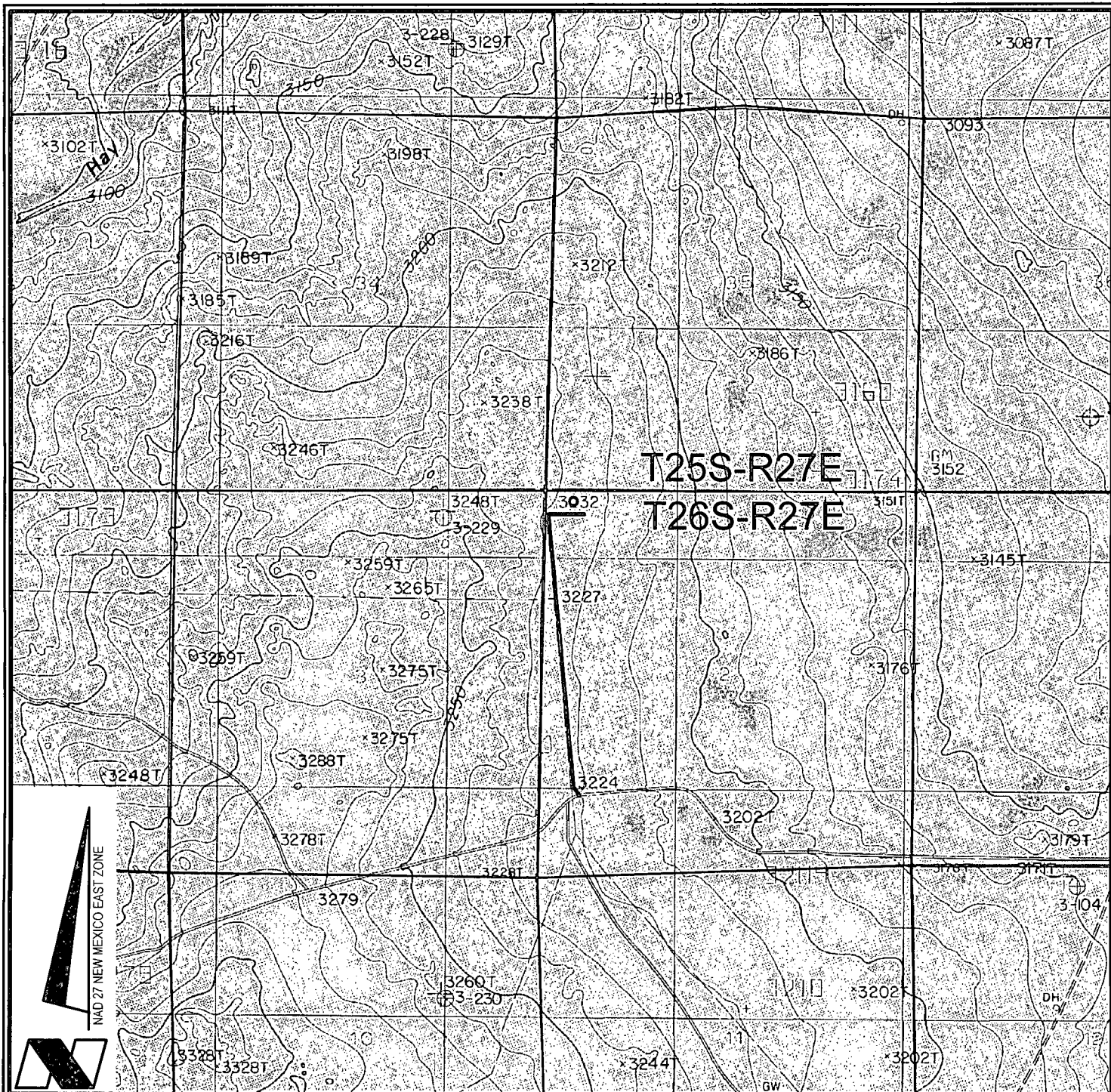
500' 0 250' 500'

CHEVRON U.S.A. INC.
PROPOSED PAD & ACCESS ROAD
SKEEN 2-26-27 ST NO. 1H WELL
SECTION 2, T26S-R27E
EDDY COUNTY, NEW MEXICO



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

DRAWN BY: BMO		REVISIONS	
PROJ. MGR.: DBM	No.	DATE:	REVISED BY:
DATE: 01/18/2013	No.	DATE:	REVISED BY:
FILENAME: T:\2012\128633\DWG\SKEEN 2-26-27, ST 1H SUP.dwg			



VICINITY MAP

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

CHEVRON U.S.A. INC.

SKEEN 2-26-27 ST NO. 1H WELL

LOCATED 150' FNL AND 400' 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

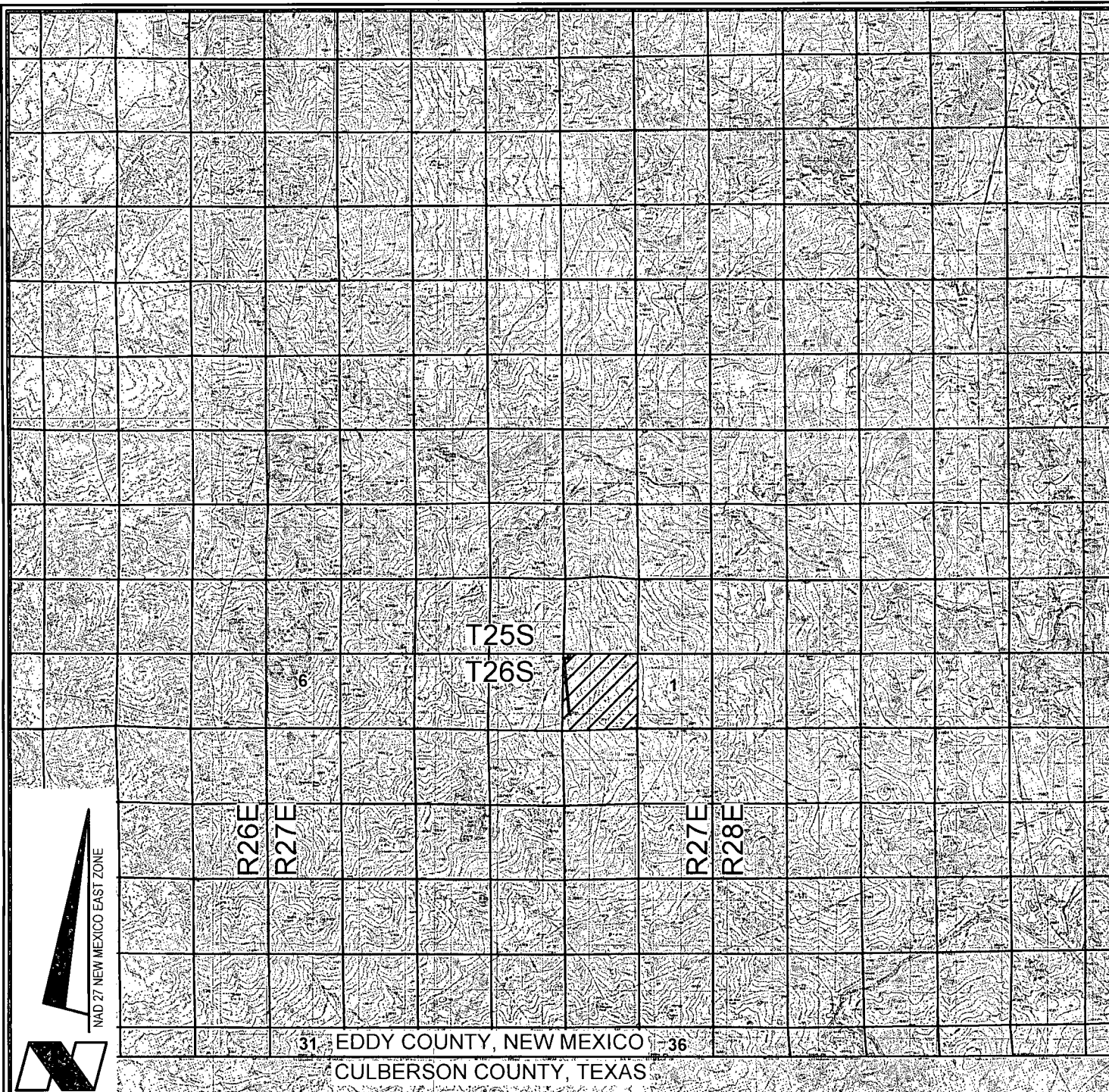
REVISED:

DATE: 01/18/2013

PROJ. MGR.: DBM

SHEET 1 OF 3 SHEETS

FILENAME: T:\2012\12128633\DWG\Skeen 2-26-27 ST 1H 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. 1H WELL
LOCATED 150' FNL AND 400' 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\2128633\DWG\Skeen 2-26-27 ST 1H APD.dwg

Skeen 2-26-27 ST 1H

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	2,275	0	2,275	1,000
Production	8.75	5.5	17	12,721	1,775	8,052	900
		** Lateral will be an OH Packer Completion (no cement) from 12,721' (TD) to 8052' (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 1H
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 1H
Company:	Permian District	TVD Reference:	RKB @ 3243.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3243.0usft
Site:	Skeen 2-26-27 ST 1H	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 1H		
Site Position:		Northing:	392,298.00 ft
From:	Map	Easting:	551,280.00 ft
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in
		Latitude:	32° 4' 42.35707147 N
		Longitude:	104° 10' 3.98537189 W
		Grid Convergence:	0.09 °

Well	Well #1		
Well Position	+N/-S	0.0 usft	Northing: 392,298.00 ft
	+E/-W	0.0 usft	Easting: 551,280.00 ft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,226.0 usft
		Ground Level:	3,226.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	1/25/2013	(°)
			7.65
			Dip Angle (°)
			59.91
			Field Strength (nT)
			48,302

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 (°)
			181.12

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	
7,301.7	0.00	0.00	7,301.7	0.0	0.0	0.00	0.00	0.00	0.00	
8,052.5	90.10	181.12	7,779.1	-478.2	-9.4	12.00	12.00	0.00	181.12	
12,721.2	90.10	181.12	7,771.0	-5,146.0	-101.0	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 1H
Company:	Permian District	TVD Reference:	RKB @ 3243.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3243.0usft
Site:	Skeen 2-26-27 ST 1H	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
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 1H
Company:	Permian District	TVD Reference:	RKB @ 3243.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3243.0usft
Site:	Skeen 2-26-27 ST 1H	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
7,301.7	0.00	0.00	7,301.7	0.0	0.0	0.0	0.00	0.00	0.00
7,325.0	2.80	181.12	7,325.0	-0.6	0.0	0.6	12.00	12.00	0.00
7,350.0	5.80	181.12	7,349.9	-2.4	0.0	2.4	12.00	12.00	0.00
7,375.0	8.80	181.12	7,374.7	-5.6	-0.1	5.6	12.00	12.00	0.00
7,400.0	11.80	181.12	7,399.3	-10.1	-0.2	10.1	12.00	12.00	0.00
7,425.0	14.80	181.12	7,423.6	-15.8	-0.3	15.8	12.00	12.00	0.00
7,450.0	17.80	181.12	7,447.6	-22.8	-0.4	22.9	12.00	12.00	0.00
7,475.0	20.80	181.12	7,471.2	-31.1	-0.6	31.1	12.00	12.00	0.00
7,500.0	23.80	181.12	7,494.3	-40.6	-0.8	40.6	12.00	12.00	0.00
7,525.0	26.80	181.12	7,516.9	-51.3	-1.0	51.3	12.00	12.00	0.00
7,550.0	29.80	181.12	7,539.0	-63.1	-1.2	63.1	12.00	12.00	0.00
7,575.0	32.80	181.12	7,560.3	-76.1	-1.5	76.1	12.00	12.00	0.00
7,600.0	35.80	181.12	7,581.0	-90.2	-1.8	90.2	12.00	12.00	0.00
7,625.0	38.80	181.12	7,600.9	-105.3	-2.1	105.3	12.00	12.00	0.00
7,650.0	41.80	181.12	7,619.9	-121.5	-2.4	121.5	12.00	12.00	0.00
7,675.0	44.80	181.12	7,638.1	-138.6	-2.7	138.7	12.00	12.00	0.00
7,700.0	47.80	181.12	7,655.4	-156.7	-3.1	156.7	12.00	12.00	0.00
7,725.0	50.80	181.12	7,671.7	-175.6	-3.4	175.7	12.00	12.00	0.00
7,750.0	53.80	181.12	7,687.0	-195.4	-3.8	195.5	12.00	12.00	0.00
7,775.0	56.80	181.12	7,701.2	-216.0	-4.2	216.0	12.00	12.00	0.00
7,800.0	59.80	181.12	7,714.3	-237.2	-4.7	237.3	12.00	12.00	0.00
7,825.0	62.80	181.12	7,726.3	-259.2	-5.1	259.2	12.00	12.00	0.00
7,850.0	65.80	181.12	7,737.2	-281.7	-5.5	281.7	12.00	12.00	0.00
7,875.0	68.80	181.12	7,746.8	-304.7	-6.0	304.8	12.00	12.00	0.00
7,900.0	71.80	181.12	7,755.3	-328.3	-6.4	328.3	12.00	12.00	0.00
7,925.0	74.80	181.12	7,762.4	-352.2	-6.9	352.3	12.00	12.00	0.00
7,950.0	77.80	181.12	7,768.4	-376.5	-7.4	376.5	12.00	12.00	0.00
7,975.0	80.80	181.12	7,773.0	-401.0	-7.9	401.1	12.00	12.00	0.00
8,000.0	83.80	181.12	7,776.4	-425.8	-8.4	425.9	12.00	12.00	0.00
8,025.0	86.80	181.12	7,778.4	-450.7	-8.8	450.8	12.00	12.00	0.00
8,050.0	89.80	181.12	7,779.1	-475.7	-9.3	475.8	12.00	12.00	0.00
8,052.5	90.10	181.12	7,779.1	-478.2	-9.4	478.3	12.00	12.00	0.00
8,100.0	90.10	181.12	7,779.1	-525.7	-10.3	525.8	0.00	0.00	0.00
8,200.0	90.10	181.12	7,778.9	-625.7	-12.3	625.8	0.00	0.00	0.00
8,300.0	90.10	181.12	7,778.7	-725.6	-14.2	725.8	0.00	0.00	0.00

Chesapeake Operating

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 1H
Company:	Permian District	TVD Reference:	RKB @ 3243.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3243.0usft
Site:	Skeen 2-26-27 ST 1H	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	181.12	7,778.5	-825.6	-16.2	825.8	0.00	0.00	0.00
8,500.0	90.10	181.12	7,778.4	-925.6	-18.2	925.8	0.00	0.00	0.00
8,600.0	90.10	181.12	7,778.2	-1,025.6	-20.1	1,025.8	0.00	0.00	0.00
8,700.0	90.10	181.12	7,778.0	-1,125.6	-22.1	1,125.8	0.00	0.00	0.00
8,800.0	90.10	181.12	7,777.8	-1,225.5	-24.1	1,225.8	0.00	0.00	0.00
8,900.0	90.10	181.12	7,777.7	-1,325.5	-26.0	1,325.8	0.00	0.00	0.00
9,000.0	90.10	181.12	7,777.5	-1,425.5	-28.0	1,425.8	0.00	0.00	0.00
9,100.0	90.10	181.12	7,777.3	-1,525.5	-29.9	1,525.8	0.00	0.00	0.00
9,200.0	90.10	181.12	7,777.1	-1,625.5	-31.9	1,625.8	0.00	0.00	0.00
9,300.0	90.10	181.12	7,777.0	-1,725.4	-33.9	1,725.8	0.00	0.00	0.00
9,400.0	90.10	181.12	7,776.8	-1,825.4	-35.8	1,825.8	0.00	0.00	0.00
9,500.0	90.10	181.12	7,776.6	-1,925.4	-37.8	1,925.8	0.00	0.00	0.00
9,600.0	90.10	181.12	7,776.4	-2,025.4	-39.8	2,025.8	0.00	0.00	0.00
9,700.0	90.10	181.12	7,776.3	-2,125.4	-41.7	2,125.8	0.00	0.00	0.00
9,800.0	90.10	181.12	7,776.1	-2,225.3	-43.7	2,225.8	0.00	0.00	0.00
9,900.0	90.10	181.12	7,775.9	-2,325.3	-45.6	2,325.8	0.00	0.00	0.00
10,000.0	90.10	181.12	7,775.7	-2,425.3	-47.6	2,425.8	0.00	0.00	0.00
10,100.0	90.10	181.12	7,775.6	-2,525.3	-49.6	2,525.8	0.00	0.00	0.00
10,200.0	90.10	181.12	7,775.4	-2,625.3	-51.5	2,625.8	0.00	0.00	0.00
10,300.0	90.10	181.12	7,775.2	-2,725.3	-53.5	2,725.8	0.00	0.00	0.00
10,400.0	90.10	181.12	7,775.1	-2,825.2	-55.5	2,825.8	0.00	0.00	0.00
10,500.0	90.10	181.12	7,774.9	-2,925.2	-57.4	2,925.8	0.00	0.00	0.00
10,600.0	90.10	181.12	7,774.7	-3,025.2	-59.4	3,025.8	0.00	0.00	0.00
10,700.0	90.10	181.12	7,774.5	-3,125.2	-61.3	3,125.8	0.00	0.00	0.00
10,800.0	90.10	181.12	7,774.4	-3,225.2	-63.3	3,225.8	0.00	0.00	0.00
10,900.0	90.10	181.12	7,774.2	-3,325.1	-65.3	3,325.8	0.00	0.00	0.00
11,000.0	90.10	181.12	7,774.0	-3,425.1	-67.2	3,425.8	0.00	0.00	0.00
11,100.0	90.10	181.12	7,773.8	-3,525.1	-69.2	3,525.8	0.00	0.00	0.00
11,200.0	90.10	181.12	7,773.7	-3,625.1	-71.1	3,625.8	0.00	0.00	0.00
11,300.0	90.10	181.12	7,773.5	-3,725.1	-73.1	3,725.8	0.00	0.00	0.00
11,400.0	90.10	181.12	7,773.3	-3,825.0	-75.1	3,825.8	0.00	0.00	0.00
11,500.0	90.10	181.12	7,773.1	-3,925.0	-77.0	3,925.8	0.00	0.00	0.00
11,600.0	90.10	181.12	7,773.0	-4,025.0	-79.0	4,025.8	0.00	0.00	0.00
11,700.0	90.10	181.12	7,772.8	-4,125.0	-81.0	4,125.8	0.00	0.00	0.00
11,800.0	90.10	181.12	7,772.6	-4,225.0	-82.9	4,225.8	0.00	0.00	0.00
11,900.0	90.10	181.12	7,772.4	-4,324.9	-84.9	4,325.8	0.00	0.00	0.00
12,000.0	90.10	181.12	7,772.3	-4,424.9	-86.8	4,425.8	0.00	0.00	0.00
12,100.0	90.10	181.12	7,772.1	-4,524.9	-88.8	4,525.8	0.00	0.00	0.00
12,200.0	90.10	181.12	7,771.9	-4,624.9	-90.8	4,625.8	0.00	0.00	0.00
12,300.0	90.10	181.12	7,771.7	-4,724.9	-92.7	4,725.8	0.00	0.00	0.00
12,400.0	90.10	181.12	7,771.6	-4,824.8	-94.7	4,825.8	0.00	0.00	0.00
12,500.0	90.10	181.12	7,771.4	-4,924.8	-96.7	4,925.8	0.00	0.00	0.00
12,600.0	90.10	181.12	7,771.2	-5,024.8	-98.6	5,025.8	0.00	0.00	0.00
12,700.0	90.10	181.12	7,771.0	-5,124.8	-100.6	5,125.8	0.00	0.00	0.00
12,721.2	90.10	181.12	7,771.0	-5,146.0	-101.0	5,147.0	0.00	0.00	0.00

Chesapeake Operating

Planning Report

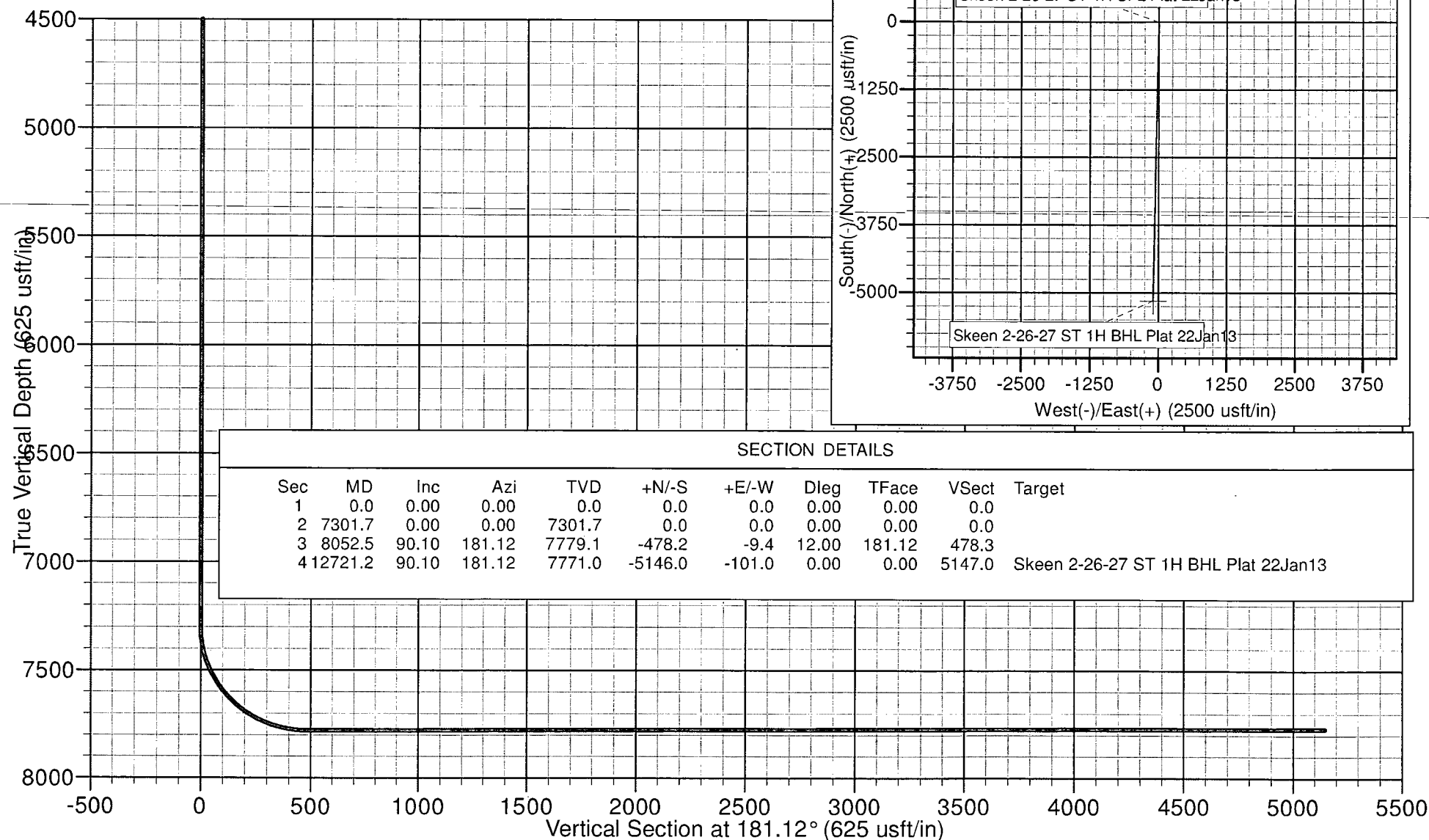
Database:	Drilling Database	Local Co-ordinate Reference:	Site Skeen 2-26-27 ST 1H
Company:	Permian District	TVD Reference:	RKB @ 3243.0usft
Project:	NM - Bone Spring Sand Project	MD Reference:	RKB @ 3243.0usft
Site:	Skeen 2-26-27 ST 1H	North Reference:	Grid
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plat 22Jan13		

Design Targets									
Target Name	- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
- Shape		(°)	(°)	(usft)	(usft)	(usft)	(ft)	(ft)	Latitude Longitude
Skeen 2-26-27 ST 1H		0.00	0.01	0.0	0.0	0.0	392,298.00	551,280.00	° 4' 42.35707147 N ° 10' 3.98537189 W
- plan hits target center									
- Point									
Skeen 2-26-27 ST 1H		0.00	0.01	7,771.0	-5,146.0	-101.0	387,152.00	551,179.00	° 3' 51.43088564 N ° 10' 5.25086183 W
- plan hits target center									
- Point									

Project: NM - Bone Spring Sand Project
 Site: Skeen 2-26-27 ST 1H
 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	Subbasin	County	Q Q Q	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.

1/28/13 3:38 PM

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	Subbasin	County	Q Q Q	Sec	Tws	Rng	X	Depth Y	Depth Well	Water Column			
C 02930		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

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1/28/13 3:37 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER