Form 3160-3
(March 2012)

OCD Artesia

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM113943

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER — ATS-14-831

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

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.: Skeen 23 26 26 Federal #6H (314056)

2. Name of Operator: CHEVRON U.S.A. INC. (4323)

9. API Well No.: 30-015-42883

3a. Address: 15 SMITH ROAD, MIDLAND, TEXAS 79705

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

10. Field and Pool, or Exploratory: WELCH; BONE SPRING (64010)

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface: 330' FSL, & 660' FWL, UL: M

At proposed prod. zone: 330' FNL, & 660' FWL, UL: D

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 23, T26S, R26E, (SHL); SEC 23, T26S, R26E, (BHL)

14. Distance in miles and direction from nearest town or post office*: 24 MILES FROM MALAGA, NEW MEXICO

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 330' FSL OF SEC 23

16. No. of acres in lease: 1280

17. Spacing Unit dedicated to this well: 160

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 8200' to Cimarex Jumping Spring 16 S 1

19. Proposed Depth: MD - 16,500' TVD - 11,500'

20. BLM/BIA Bond No. on file: CA0329

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3431' GL

22. Approximate date work will start*:

23. Estimated duration:

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature: Denise Pinkerton — Name (Printed/Typed): DENISE PINKERTON — Date: 05/30/2014

Title: REGULATORY SPECIALIST

Approved by (Signature): Steve Caffey — Name (Printed/Typed): — Date: DEC 19 2014

Title: FIELD MANAGER — Office: CARLSBAD FIELD OFFICE

Application approval 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.

Conditions of approval, if any, are attached. APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

*(Instructions on page 2)

Carlsbad Controlled Water Basin

RD 1/6/2015
Accepted for record
NMOCD

NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 30 2014
RECEIVED

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Executed this 20 day of May, 20 14

Name: K Wojtasek
Kelly Wojtasek - Project Manager

Address: 1400 Smith Street, 40039
Houston, TX 77027

Office 713-372-9691

E-mail: kellyanne@chevron.com

Exhibit A1

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
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	2 Pool Code	3 Pool Name
30-015-42883	64010	Welch; Bone Spring

4 Property Code	5 Property Name	6 Well Number
314056	SKEEN 23 26 26 FEDERAL	6H

7 OGRID No.	8 Operator Name	9 Elevation
4323	CHEVRON U.S.A. INC.	3431'

10 Surface Location

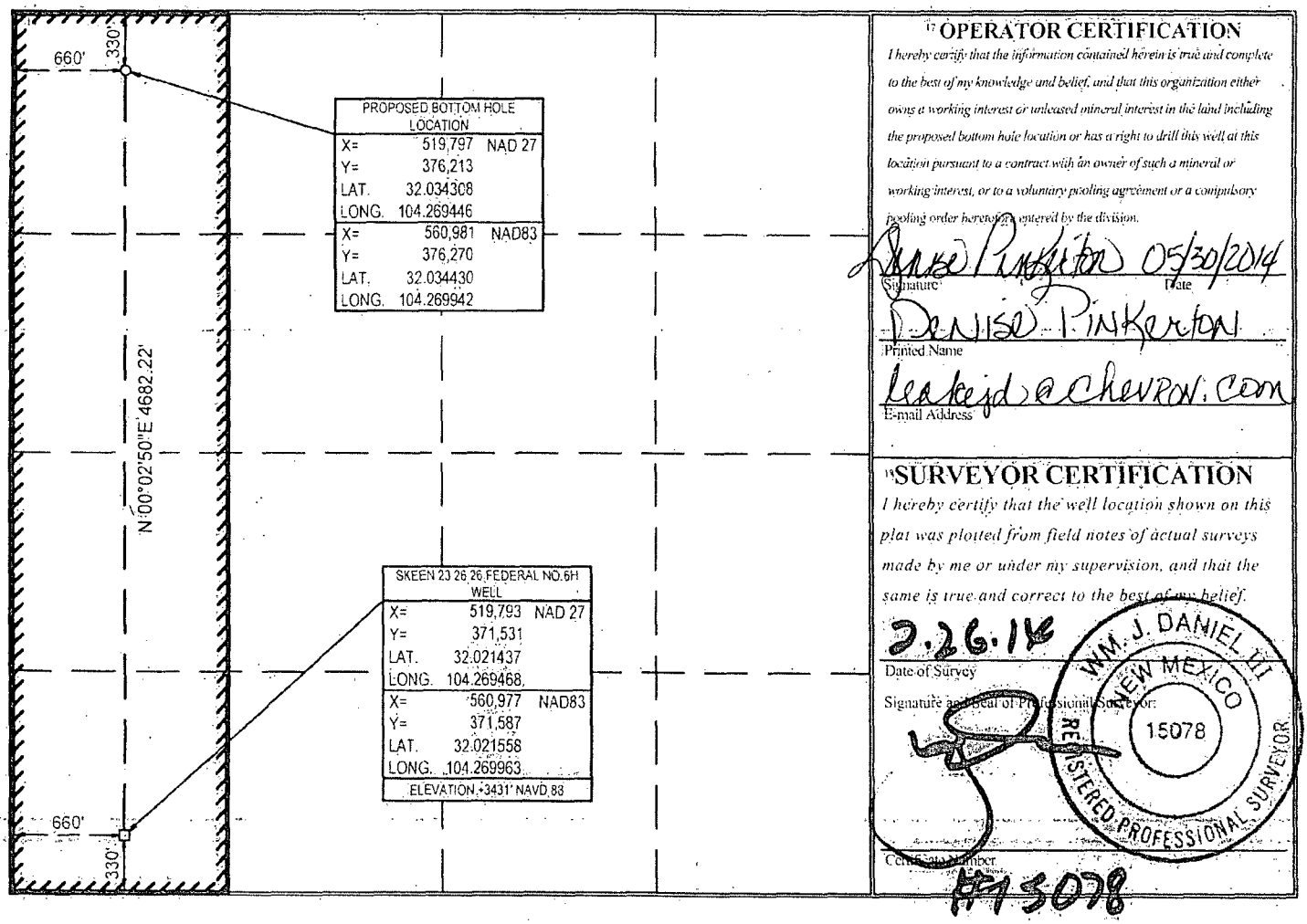
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	26 SOUTH	26 EAST, N.M.P.M.		330'	SOUTH	660'	WEST	EDDY

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
D	23	26 SOUTH	26 EAST, N.M.P.M.		330'	NORTH	660'	WEST	EDDY

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

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.



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.

Denise Pinkerton 05/30/2014
Signature Date

DENISE PINKERTON
Printed Name

leakejd@chevron.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.

2.26.14
Date of Survey

Signature and Seal of Professional Surveyor:

WM. J. DANIEL III
NEW MEXICO
15078
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number 15078

Chevron

DURING THE DRILLING OF THIS WELL, CHEVRON PROPOSES TO USE A CLOSED LOOP SYSTEM WITH A STEEL TANK AND HAUL TO THE REQUIRED DISPOSAL, PER THE OCD RULE 19.15.17.

PROCESSING FEE INFORMATION CALLED INTO _____AT BLM , ON _____

CHEVRON USA INC HAS AN AGREEMENT WITH CEHMM TO PROVIDE THE NEPA INFORMATION TO BLM.

PLEASE FIND THE FOLLOWING ATTACHMENTS:

APD FORM
PRIVATE SURFACE OWNER AGREEMENT (IF APPLICABLE)
C102 **(EXHIBIT A-1)**
VICINITY MAPS **(EXHIBIT A-2 through A-3)**
MILE RADIUS MAP **(EXHIBIT B)**
DRILLING PLAN
DIRECTIONAL PLAN AND PLOT
BOP SCHEMATIC
CHOKE MANIFOLD SCHEMATIC
BOPE TESTING
RIG LAYOUT/FACILITY PAD **(EXHIBIT D)**
MISCELLANOUS SCHEMATICS (E, F, G-1, G-2, H)
H2S PLAN – NO H2S WITHIN 1 Mile of location

SURFACE USE PLAN
COFLEX HOSE TEST CERTIFICATION AND CHART
WELLHEAD SCHEMATIC
OIL AND GAS MEASUREMENT SCHEMATIC **(EXHIBIT C)**
MISCELLANEOUS MAPS (PROPOSED PAD AND ACCESSS ROAD, EXISTING & PROPOSED ROW EASEMENT DETAIL, PROPOSED FLOWLINE)
PRESSURE CONTROL WELLHEAD EQUIPMENT RUNNING PROCEDURE- IF REQUIRED
OPERATOR CERTIFICATION – SIGNED

ARCH SURVEY

Exhibit A2

SKEEN 23 26 26 FEDERAL NO. 6H WELL	NW ARCH. AREA CRN.	NE ARCH. AREA CRN.	SE ARCH. AREA CRN.	SW ARCH. AREA CRN.	SW TOP SOIL AREA CRN.	SE TOP SOIL AREA CRN.
X= 519,793 NAD 27	X= 519,507 NAD 27	X= 520,107 NAD 27	X= 520,101 NAD 27	X= 519,501 NAD 27	X= 519,617 NAD 27	X= 519,987 NAD 27
Y= 371,531	Y= 371,874	Y= 371,868	Y= 371,268	Y= 371,274	Y= 371,368	Y= 371,364
LAT. 32.021437	ELEVATION +3428' NAVD 88	ELEVATION +3436' NAVD 88	ELEVATION +3434' NAVD 88	ELEVATION +3424' NAVD 88	ELEVATION +3427' NAVD 88	ELEVATION +3433' NAVD 88
LONG. 104.269468	NW PAD CRN.	NE PAD CRN.	SE PAD CRN./NE TOP SOIL AREA CRN.	SW PAD CRN./NW TOP SOIL AREA CRN.		
X= 560,977 NAD83	X= 519,621 NAD 27	X= 519,991 NAD 27	X= 519,987 NAD 27	X= 519,617 NAD 27		
Y= 371,587	Y= 371,738	Y= 371,734	Y= 371,404	Y= 371,408		
LAT. 32.021558	ELEVATION +3429' NAVD 88	ELEVATION +3433' NAVD 88	ELEVATION +3433' NAVD 88	ELEVATION +3427' NAVD 88		
LONG. 104.269963						
ELEVATION +3431' NAVD 88						

R 26 E

Sec. 23

Bureau of Land Management
SW/SW

PROPOSED
ARCHAEOLOGICAL AREA
±5.12 Acres

600'

Proposed Access Road for Skeen 22 26 26 Federal 7H

370'

PROPOSED
ACCESS ROAD
14' X ±22.48'
±0.01 Acres
±1.36 Rods

PROPOSED PAD
±2.80 Acres

205'

600'

330'

175'

195'

Skeen 23 26 26 Federal
No. 6H Well
FSL=330' FWL=660'

125'

T
26
S

40'

370'

TOP SOIL AREA
±0.34 Acres

Sec. 27

Bureau of Land Management

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.

NOTE:
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. For guidance, New Mexico One Call, www.nmonecall.org

DISCLAIMER: At this time, C.H. 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.

NAD 27, NEW MEXICO EAST ZONE

LEGEND	
	Section Line
	Proposed Well

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
NEW MEXICO
15078
REGISTERED PROFESSIONAL SURVEYOR

WM. J. Daniel III
Registration No. 15078

CHEVRON U.S.A. INC.

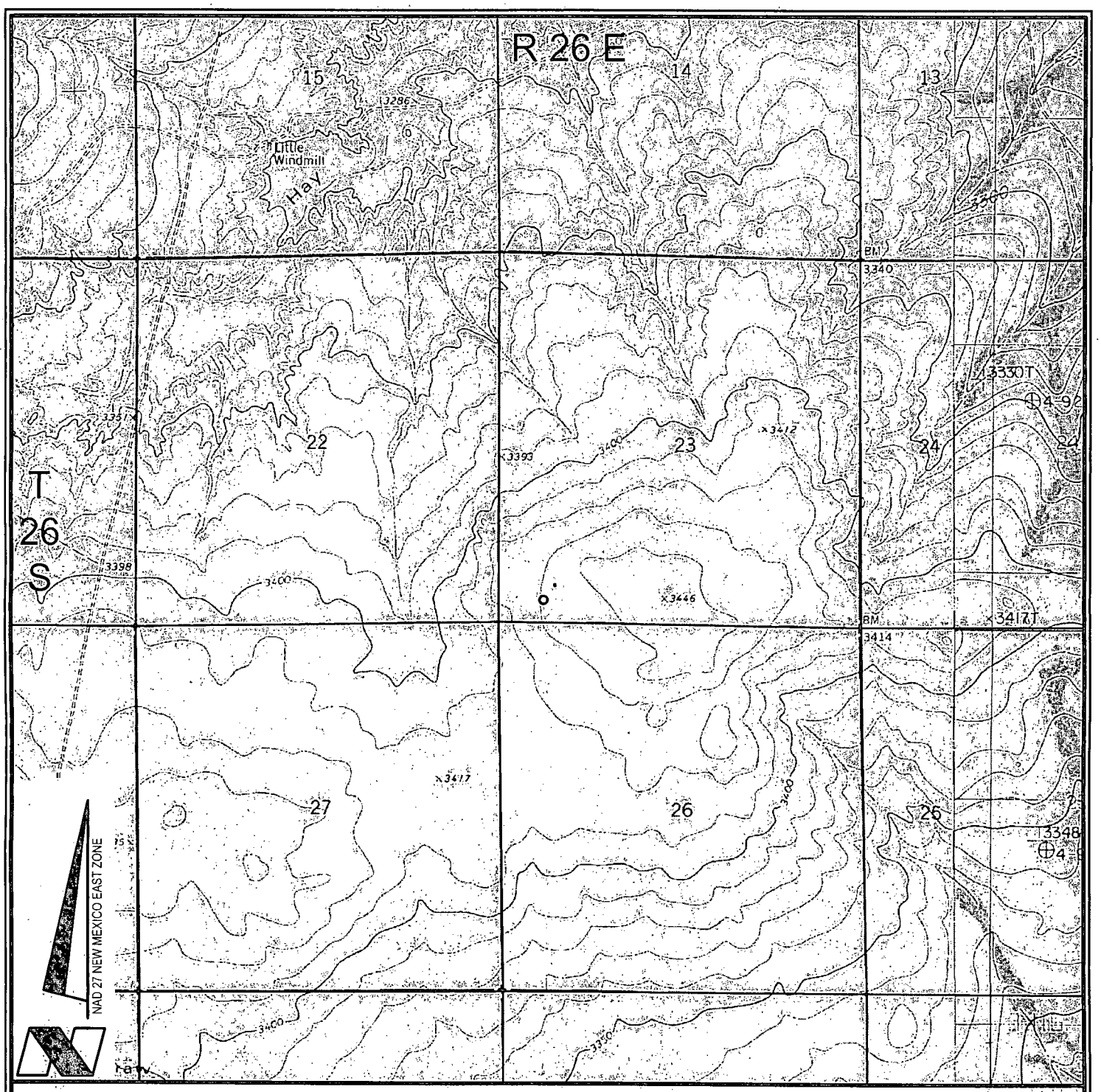
PROPOSED PAD & ACCESS ROAD
SKEEN 23-26-26 FEDERAL NO. 6H WELL
SECTION 23, T26S-R26E
EDDY COUNTY, NEW MEXICO

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

Scale: 1" = 100'
100' 0 50' 100'

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: GDG	No. 1	DATE: 02/21/2014	REVISED BY: BMO
DATE: 02/03/2014	No.	DATE:	REVISED BY:
FILENAME: T:\2013\2132447\DWG\Skeen 23-26-26 Federal 6H SUP.dwg			

Exhibit A3



VICINITY MAP

2000' 0 1000' 2000'

Scale: 1" = 2000'

CHEVRON U.S.A. INC.

SKEEN 23-26-26 FEDERAL NO. 6H WELL

LOCATED 330' FSL AND 660' FWL

SECTION 23, T26S-R26E

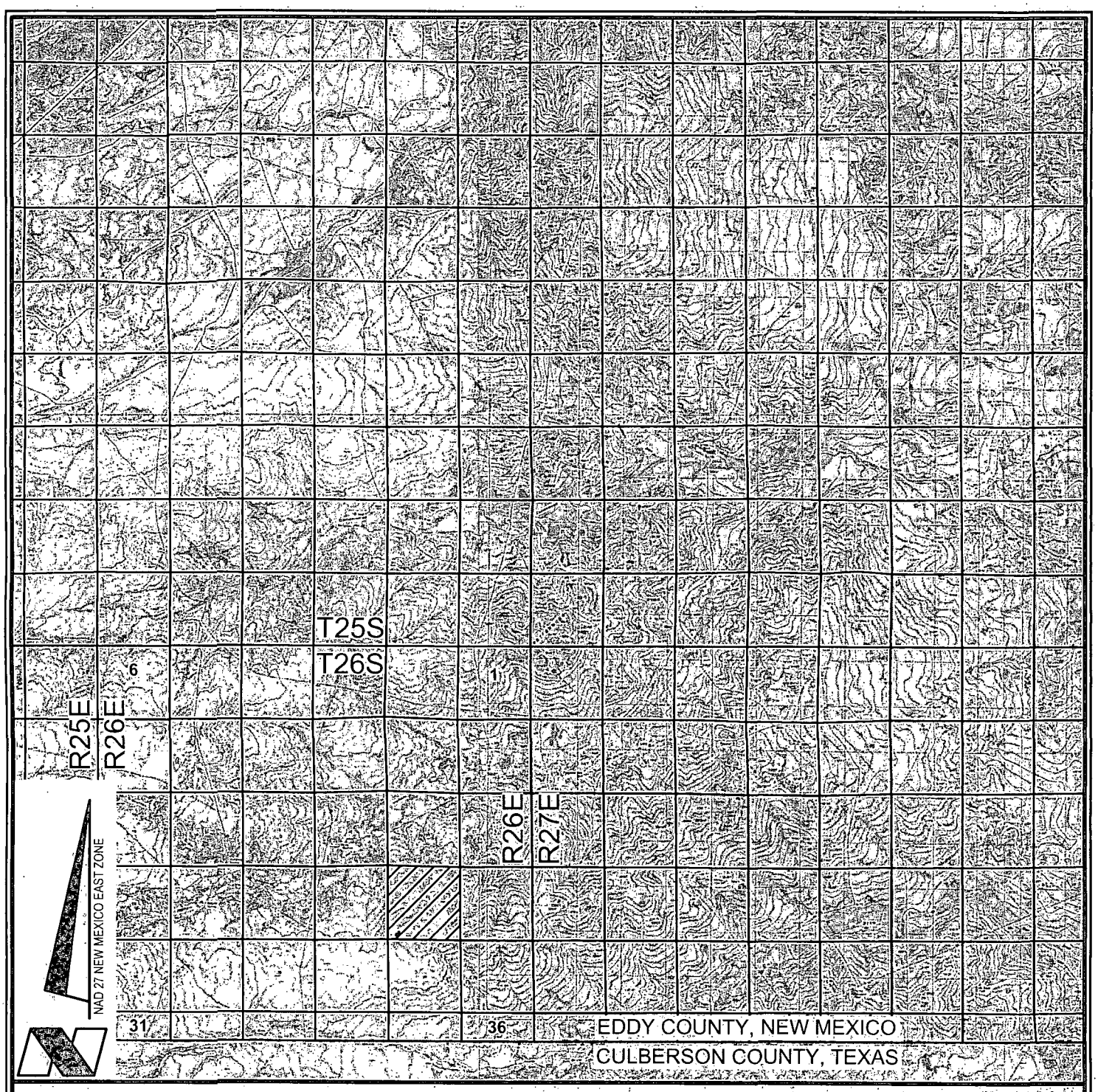
EDDY COUNTY, NEW MEXICO

FENSTERMAKER

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: 02/21/2014 BMO	DATE: 02/03/2014
PROJ. MGR.: GDG		SHEET 1 OF 3 SHEETS
FILENAME: T:\2013\2132447\DWG\Skeen 23-26-26 Federal 6H APD.dwg		

Exhibit A3



VICINITY MAP

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

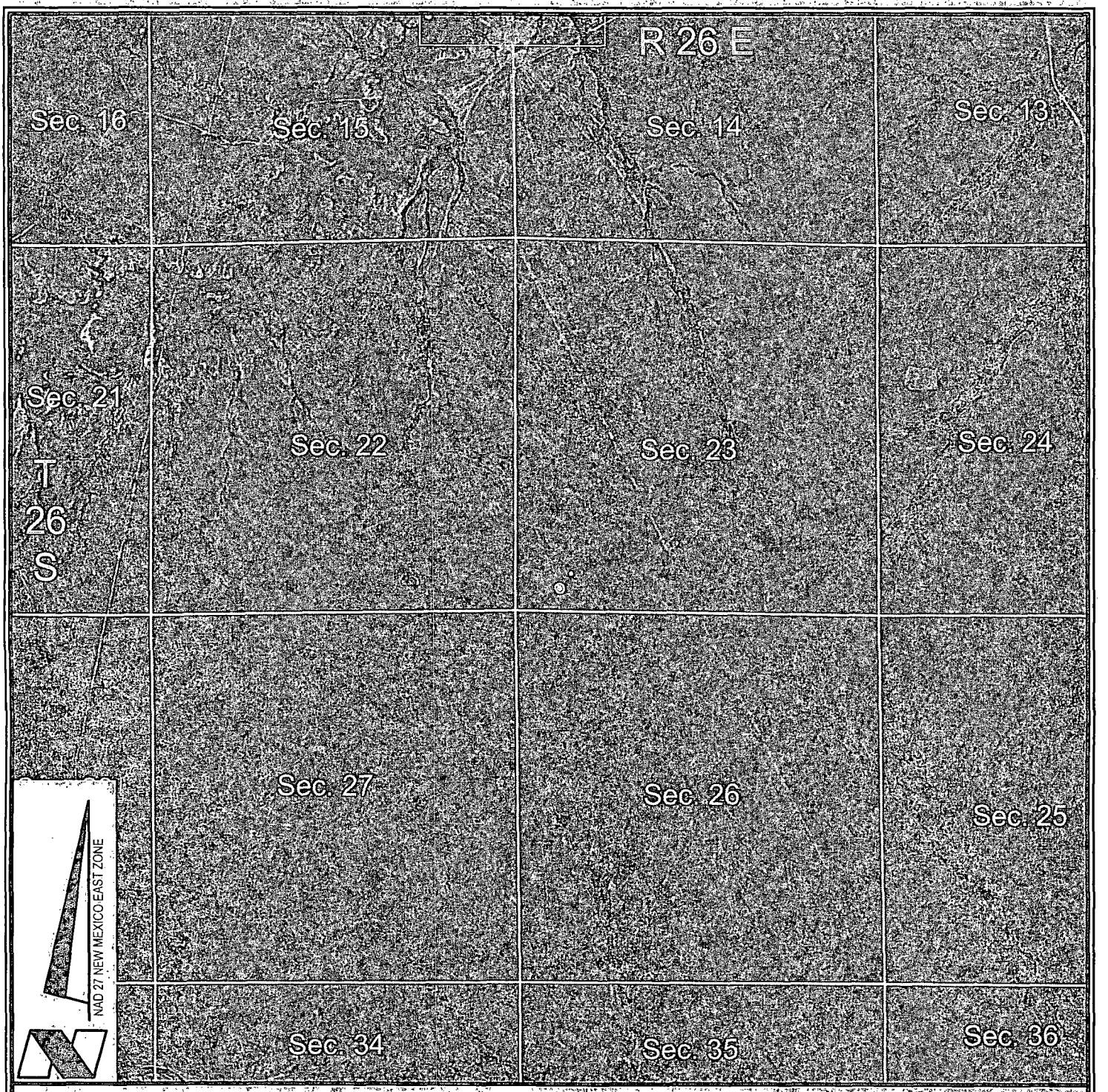
CHEVRON U.S.A. INC.

SKEEN 23-26-26 FEDERAL NO. 6H WELL
LOCATED 330' FSL AND 660' FWL
SECTION 23, T26S-R26E
EDDY COUNTY, NEW MEXICO

FENSTERMAKER
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: 02/21/2014 BMO	DATE: 02/03/2014
PROJ. MGR.: GDG		SHEET 2 OF 3 SHEETS
FILENAME: T:\2013\2132447\DWG\Skeen 23-26-26 Federal 6H APD.dwg		

Exhibit A3



VICINITY MAP

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

= FEDERAL LAND

= FEE LAND

= STATE LAND

CHEVRON U.S.A. INC.

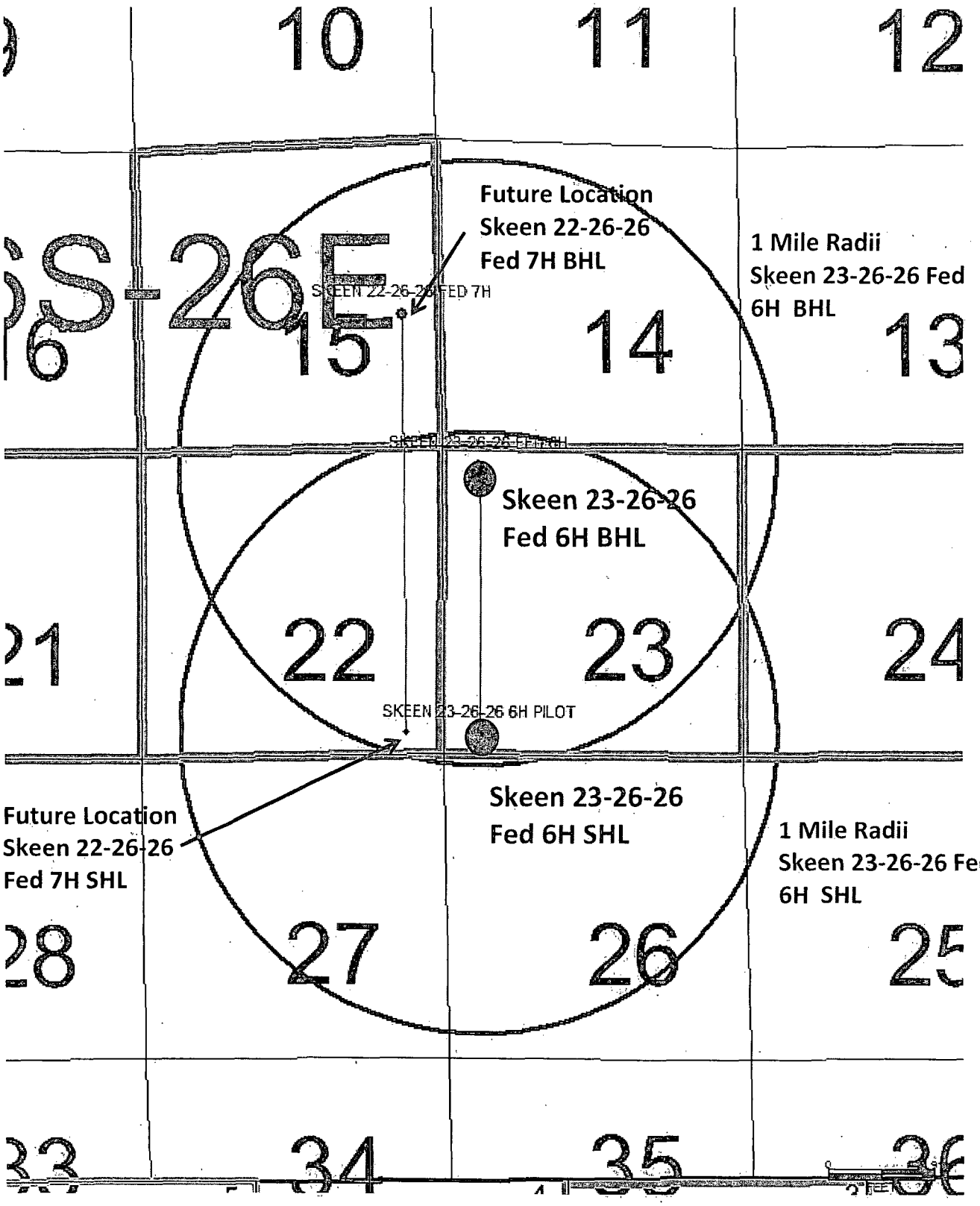
SKEEN 23-26-26 FEDERAL NO. 6H WELL
LOCATED 330' FSL AND 660' FWL
SECTION 23, T26S-R26E
EDDY COUNTY, NEW MEXICO

FENSTERMAKER
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: 02/21/2014 BMO	DATE: 02/03/2014
PROJ. MGR.: GDG		SHEET 3 OF 3 SHEETS
FILENAME: T:\2013\2132447\DWG\Skeen 23-26-26 Federal 6H APD.dwg		

Exhibit B

Skeen 23-26-26 Fed 6H
Surface and Bottom Hole
1 Mile Radius
T 26 R 26 Sec 23



1. FORMATION TOPS

The estimated tops of important geologic markers are as follows:

FORMATION	SUB-SEA	KBTVD	MD
Castile	3065	397	
Lamar	1547	1915	
Bell Canyon	1507	1955	
Cherry Canyon	666	2796	
Brushy Canyon	-430	3892	
Bone Spring Limestone	-1990	5452	
Avalon	-2100	5562	
1st Bone Spring	-2948	6410	
2nd Bone Spring	-3579	7041	
Lateral TD (2nd Bone Spring)	(3,748)	7,210	12,029

2. ESTIMATED DEPTH OF WATER, OIL, GAS & OTHER MINERAL BEARING FORMATIONS

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Substance	Formation	Depth
Deepest Expected Base of Fresh Water		350
Water	Castile	397
Water	Lamar	1915
Water	Bell Canyon	1955
Oil/Gas	Cherry Canyon	2796
Oil/Gas	Brushy Canyon	3892
Oil/Gas	Bone Spring Limestone	5452
Oil/Gas	Avalon	5562
Oil/Gas	1st Bone Spring	6410
Oil/Gas	2nd Bone Spring	7041

All shows of fresh water and minerals will be reported and protected.

3. BOP EQUIPMENT

Will have a minimum of a 5000 psi rig stack (see proposed schematic) for drill out below surface casing. Stack will be tested as specified in the attached testing requirements. Chevron requests a variance to use A coflex hose with a metal protective covering that will be utilized between the BOP and Choke manifold. Please see the attached testing and certification information.

See COA

Chevron requests a variance to use a GE/Vetco SH-2 Multibowl wellhead, which will be run through the rig foor on surface casing. BOPE will be nippled up and test after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from GE/Vetco and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal.

4. **CASING PROGRAM** 5

a. The proposed casing program will be as follows:

Purpose	From	To	Hole Size	Csg Size	Weight	Grade	Thread	Condition
Surface	0'	400'	17-1/2"	13-3/8"	48 #	H-40	STC	New
Intermediate	0'	1900' ~~1,950'~~	12-1/4"	9-5/8"	40 #	HCK-55	LTC	New
Production	0'	12,029'	8-3/4"	5-1/2"	17.0 #	HCP-110	CDC	New

See COA

b. Casing design subject to revision based on geologic conditions encountered.

c. ***A "Worst Case" casing design for wells in a particular area is used below to calculate the Casing Safety Factors. If for any reason the casing design for a particular well requires setting casing deeper than the following "worst case" design, then the Casing Safety Factors will be recalcuated & sent to the BLM prior to drilling.**

d. **Chevron will fill casing at a minimum of every 20 jts (840') while running for intermediate and production casing in order to maintain collapse SF.**

SF Calculations based on the following "Worst Case" casing design.

Surface Casing: 1500'
Intermediate Casing: 5300'
Production Casing: 16,500' MD/11,500' TVD (5000' VS @ 90 deg inc)

Casing String	Min SF Burst	Min SF Collapse	Min SF Tension
Surface	1.28	1.14	1.6
Shallow Intermediate	1.28	1.25	1.6
Production	1.34	1.65	1.6

Min SF is the smallest of a group of safety factors that include the following considerations:

	Surf	Int	Prod
Burst Design			
Pressure Test- Surface, Int, Prod Csg P external: Water P internal: Test psi + next section heaviest mud in csg	X	X	X
Displace to Gas- Surf Csg P external: Water P internal: Dry Gas from Next Csg Point	X		
Frac at Shoe, Gas to Surf- Int Csg P external: Water P internal: Dry Gas, 15 ppg Frac Gradient		X	
Stimulation (Frac) Pressures- Prod Csg P external: Water P internal: Max inj pressure w/ heaviest injected fluid			X
Tubing leak- Prod Csg (packer at KOP) P external: Water P internal: Leak just below surf, 8.7 ppg packer fluid			X
Collapse Design			
Full Evacuation P external: Water gradient in cement, mud above TOC P internal: none	X	X	X
Cementing- Surf, Int, Prod Csg P external: Wet cement P internal: water	X	X	X
Tension Design			
100k lb overpull	X	X	X

5. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	Weight	Yield	%Excess	Sacks	Water
Surface				(ppg)	(sx/cu ft)	Open Hole		gal/sk
Tail	Class C+2%CaCl	0'	400'	14.8	1.36	125	472	6.39
Intermediate								
Lead	Class C+4%Gel +1%CaCl	0'	1,350'	13.7	1.68	100	444	9.72
Tail	Class C+1%CaCl	1,350'	1,950'	14.8	1.33	100	311	6.24
Production								
1st Lead	50% Class H+ 50% Silicalite +2% Gel	1,450'	6,570'	11.3	2.54	100	970	15.07
2nd Lead	50% Class H+ 50% Silicalite +2% Gel	6,570'	11,000'	12.5	1.81	35	838	8.10
Tail	Acid Soluble Cement	11,000'	12,029'	15	2.6	0	100	11.2

1. Final cement volumes will be determined by caliper.
2. Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.
3. Production casing will have one horizontal type centralizer on every joint for the first 1000' from TD, then every other joint to EOB, and then every third joint to KOP. Bowspring type centralizers will be run from KOP to intermediate casing.

6. **MUD PROGRAM**

From	To	Type	Weight	F. Vis	Filtrate	
0'	400'	Spud Mud	8.3 - 8.7	32 - 34	NC - NC	
400'	~~1,950'~~	Brine	9.5 - 10.1	28 - 29	NC - NC	
~~1,950'~~ 1900'	6,570'	FW/Cut Brine	8.3 - 9.5	28 - 29	NC - NC	
6,570'	7,485'	Cut Brine	8.3 - 9.5	28 - 30	15 - 25	Curve
7,485'	12,029'	FW/Cut Brine	8.3 - 9.5	28 - 29	15 - 25	

A closed system will by utilized consisting of above ground steel tanks. All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

7. **TESTING, LOGGING, AND CORING**

The anticipated type and amount of testing, logging, and coring are as follows:

a. Drill stem tests are not planned.
b. The logging program will be as follows:

TYPE	Logs	Interval	Timing	Vendor
Mudlogs	2 man mudlog	Int Csg to TD	Drillout of Int Csg	TBD
LWD	MWD Gamma	Curve and Lateral	While Drilling	TBD
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

c. Conventional whole core samples are not planned.
d. A Directional Survey will be run.

8. **ABNORMAL PRESSURES AND HYDROGEN SULFIDE**

a. No abnormal pressures or temperatures are expected. Estimated BHP is: 3249 psi
b. Hydrogen sulfide gas is not anticipated. An H2S Contingency plan is attached with this APD in the event that H2S is encountered

Chevron USA, Inc.

Project: Eddy County, NM
Site: Skeen 23 26 26 Fed
Well: Skeen 23 26 26 Fed 6H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: TBD

SURFACE LOCATION

US State Plane 1927 (Exact solution)
New Mexico East 3001
Elevation: GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)

Northing	Easting	Latitude	Longitude
371531.00	519793.00	32° 1' 17.172 N	104° 16' 10.088 W

TARGET INFORMATION:

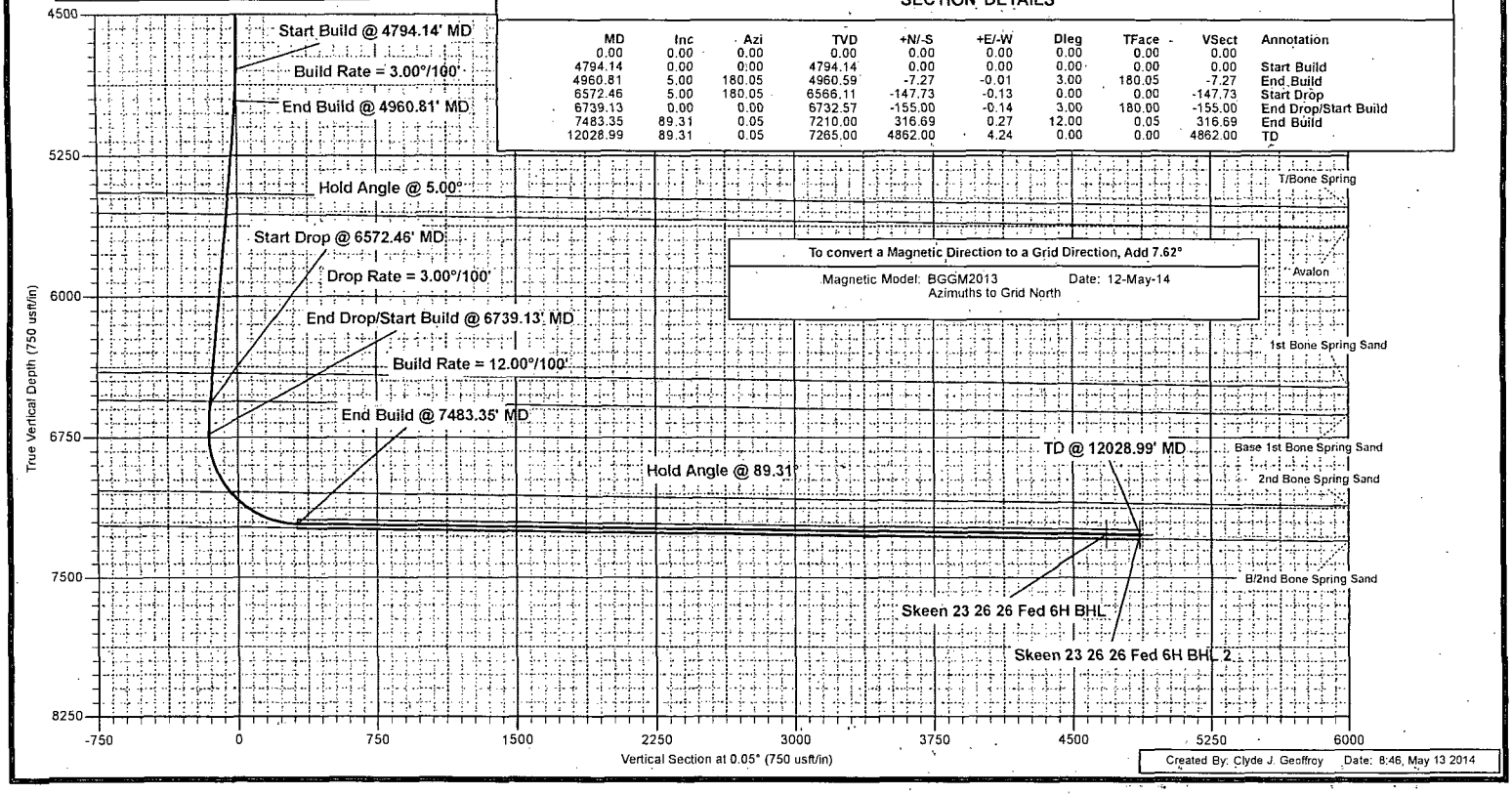
7206.19' TVD @ 0.0' VS w/0.69° Down Dip
25' Up & 25' Down
50' Left & 50' Right

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Skeen 23 26 26 Fed 6H BHL	7262.82	4682.00	4.00	376213.00	519797.00	32° 2' 3.509 N	104° 16' 10.010 W
Skeen 23 26 26 Fed 6H BHL 2	7265.00	4862.00	4.24	376393.00	519797.24	32° 2' 5.290 N	104° 16' 10.006 W

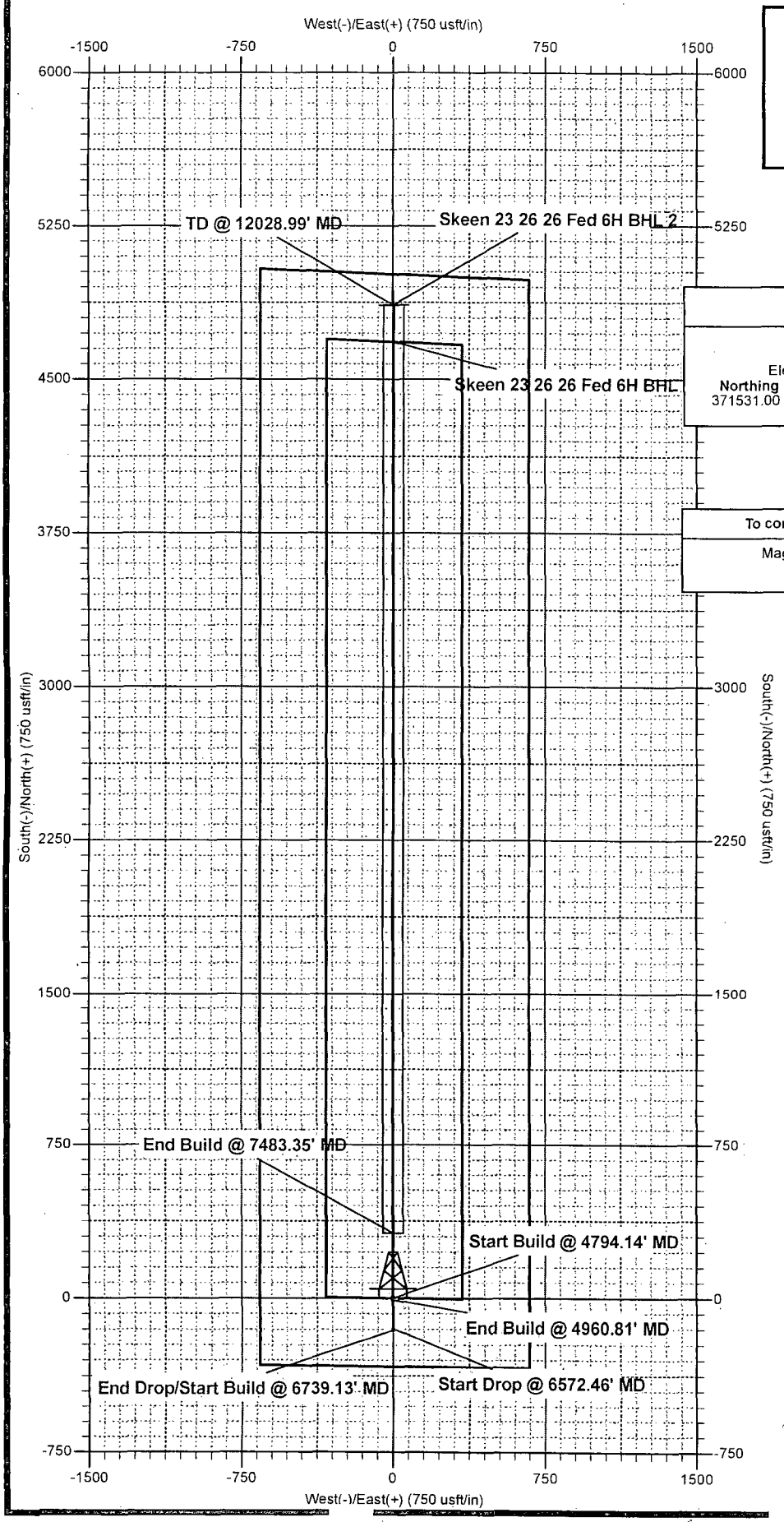
SECTION DETAILS

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	
4794.14	0.00	0.00	4794.14	0.00	0.00	0.00	0.00	0.00	Start Build
4960.81	5.00	180.05	4960.59	-7.27	-0.01	3.00	180.05	-7.27	End Build
6572.46	5.00	180.05	6566.11	-147.73	-0.13	0.00	0.00	-147.73	Start Drop
6739.13	0.00	0.00	6732.57	-155.00	-0.14	3.00	180.00	-155.00	End Drop/Start Build
7483.35	89.31	0.05	7210.00	316.69	0.27	12.00	0.05	316.69	End Build
12028.99	89.31	0.05	7265.00	4862.00	4.24	0.00	0.00	4862.00	TD



Created By: Clyde J. Geoffroy Date: 8:46, May 13 2014

Chevron USA, Inc.



Project: Eddy County, NM
Site: Skeen 23 26 26 Fed
Well: Skeen 23 26 26 Fed 6H
Wellbore: Wellbore #1
Design: Plan #1
Rig: TBD

SURFACE LOCATION			
US State Plane 1927 (Exact solution) New Mexico East 3001 Elevation: GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)			
Northing	**Easting**	**Latittude**	**Longitude**
371531.00	519793.00	32° 1' 17.172 N	104° 16' 10.088 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:
7206.19' TVD @ 0.0' VS w/0.69° Down Dip 25' Up & 25' Down 50' Left & 50' Right

Chevron

N

Created By: Clyde J. Geoffroy Date: 15:38, May 12 2014

Chevron USA, Inc.

Eddy County, NM
Skeen 23 26 26 Fed
Skeen 23 26 26 Fed 6H

Wellbore #1

Plan: Plan #1

Standard Planning Report

13 May, 2014

Database:	STXWP_EDM	**Local Co-ordinate Reference:**	Well Skeen 23 26 26 Fed 6H
Company:	Chevron USA, Inc	**TVD Reference:**	GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)
Project:	Eddy County, NM	**MD Reference:**	GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)
Site:	Skeen 23 26 26 Fed	**North Reference:**	Grid
Well:	Skeen 23 26 26 Fed 6H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project Eddy County, NM

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 23 26 26 Fed

Site Position:		**Northing:**	371,531.00 usft	**Latitude:**	32° 1' 17.172 N
From:	Map	**Easting:**	519,793.00 usft	**Longitude:**	104° 16' 10.088 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.03 °

Well Skeen 23 26 26 Fed 6H

Well Position	**+N/-S**	0.00 usft	**Northing:**	371,531.00 usft	**Latitude:**	32° 1' 17.172 N
	+E/-W	0.00 usft	**Easting:**	519,793.00 usft	**Longitude:**	104° 16' 10.088 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,431.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	5/12/2014	7.65	59.79	48,094

Design Plan #1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.05

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,794.14	0.00	0.00	4,794.14	0.00	0.00	0.00	0.00	0.00	0.00	
4,960.81	5.00	180.05	4,960.59	-7.27	-0.01	3.00	3.00	0.00	180.05	
6,572.46	5.00	180.05	6,566.11	-147.73	-0.13	0.00	0.00	0.00	0.00	
6,739.13	0.00	0.00	6,732.57	-155.00	-0.14	3.00	-3.00	0.00	180.00	
7,483.35	89.31	0.05	7,210.00	316.69	0.27	12.00	12.00	0.00	0.05	
12,028.99	89.31	0.05	7,265.00	4,862.00	4.24	0.00	0.00	0.00	0.00	

Database:	STXWP_EDM	Local Co-ordinate Reference:	Well Skeen 23 26 26 Fed 6H
Company:	Chevron USA Inc	TVD Reference:	GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)
Project:	Eddy County, NM	MD Reference:	GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)
Site:	Skeen 23 26 26 Fed	North Reference:	Grid
Well:	Skeen 23 26 26 Fed 6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
397.00	0.00	0.00	397.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile									
1,915.00	0.00	0.00	1,915.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar LS									
1,955.00	0.00	0.00	1,955.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon									
2,796.00	0.00	0.00	2,796.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
3,892.00	0.00	0.00	3,892.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
4,794.14	0.00	0.00	4,794.14	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 4794.14 MD - Build Rate = 3.00°/100'									
4,800.00	0.18	180.05	4,800.00	-0.01	0.00	-0.01	3.00	3.00	0.00
4,900.00	3.18	180.05	4,899.95	-2.93	0.00	-2.93	3.00	3.00	0.00
4,960.81	5.00	180.05	4,960.60	-7.27	-0.01	-7.27	3.00	3.00	0.00
End Build @ 4960.81 MD - Hold Angle @ 5.00°									
5,000.00	5.00	180.05	4,999.64	-10.68	-0.01	-10.68	0.00	0.00	0.00
5,100.00	5.00	180.05	5,099.26	-19.40	-0.02	-19.40	0.00	0.00	0.00
5,200.00	5.00	180.05	5,198.88	-28.11	-0.03	-28.11	0.00	0.00	0.00
5,300.00	5.00	180.05	5,298.50	-36.83	-0.03	-36.83	0.00	0.00	0.00
5,400.00	5.00	180.05	5,398.12	-45.55	-0.04	-45.55	0.00	0.00	0.00
5,453.48	5.00	180.05	5,451.40	-50.21	-0.05	-50.21	0.00	0.00	0.00
T/Bone Spring									
5,500.00	5.00	180.05	5,497.74	-54.26	-0.05	-54.26	0.00	0.00	0.00
5,563.79	5.00	180.05	5,561.28	-59.82	-0.05	-59.82	0.00	0.00	0.00
Avalon									
5,600.00	5.00	180.05	5,597.36	-62.98	-0.06	-62.98	0.00	0.00	0.00
5,700.00	5.00	180.05	5,696.98	-71.69	-0.06	-71.69	0.00	0.00	0.00
5,800.00	5.00	180.05	5,796.60	-80.41	-0.07	-80.41	0.00	0.00	0.00
5,900.00	5.00	180.05	5,896.21	-89.12	-0.08	-89.12	0.00	0.00	0.00
6,000.00	5.00	180.05	5,995.83	-97.84	-0.09	-97.84	0.00	0.00	0.00
6,100.00	5.00	180.05	6,095.45	-106.55	-0.10	-106.55	0.00	0.00	0.00
6,200.00	5.00	180.05	6,195.07	-115.27	-0.10	-115.27	0.00	0.00	0.00
6,300.00	5.00	180.05	6,294.69	-123.99	-0.11	-123.99	0.00	0.00	0.00
6,400.00	5.00	180.05	6,394.31	-132.70	-0.12	-132.70	0.00	0.00	0.00
6,414.13	5.00	180.05	6,408.39	-133.93	-0.12	-133.93	0.00	0.00	0.00
1st Bone Spring Sand									
6,500.00	5.00	180.05	6,493.93	-141.42	-0.13	-141.42	0.00	0.00	0.00
6,563.54	5.00	180.05	6,557.23	-146.96	-0.13	-146.96	0.00	0.00	0.00
Base 1st Bone Spring Sand									
6,572.46	5.00	180.05	6,566.12	-147.73	-0.13	-147.73	0.00	0.00	0.00
Start Drop @ 6572.46 MD - Drop Rate = 3.00°/100'									
6,600.00	4.17	180.05	6,593.57	-149.93	-0.14	-149.93	3.00	-3.00	0.00
6,700.00	1.17	180.05	6,693.45	-154.60	-0.14	-154.60	3.00	-3.00	0.00
6,739.13	0.00	0.00	6,732.57	-155.00	-0.14	-155.00	3.00	-3.00	0.00
End Drop/Start Build @ 6739.13 MD - Build Rate = 12.00°/100'									
6,800.00	7.30	0.05	6,793.28	-151.12	-0.14	-151.12	12.00	12.00	0.00
6,900.00	19.30	0.05	6,890.42	-128.15	-0.12	-128.15	12.00	12.00	0.00
7,000.00	31.30	0.05	6,980.66	-85.49	-0.08	-85.49	12.00	12.00	0.00
7,073.78	40.16	0.05	7,040.49	-42.44	-0.04	-42.44	12.00	12.00	0.00
2nd Bone Spring Sand									
7,100.00	43.30	0.05	7,060.05	-24.99	-0.03	-24.99	12.00	12.00	0.00

Database:	STXWP_EDM	Local Co-ordinate Reference:	Well Skeen 23 26 26 Fed 6H
Company:	Chevron USA Inc	TVD Reference:	GL 3431.0 + KB 31.0 @ 3462.00usft (TBD)
Project:	Eddy County NM	MD Reference:	GL 3431.0 + KB 31.0 @ 3462.00usft (TBD)
Site:	Skeen 23 26 26 Fed	North Reference:	Grid
Well:	Skeen 23 26 26 Fed 6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

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)
7,200.00	55.30	0.05	7,125.14	50.69	0.04	50.69	12.00	12.00	0.00
7,300.00	67.30	0.05	7,173.07	138.25	0.12	138.25	12.00	12.00	0.00
7,400.00	79.30	0.05	7,201.74	233.86	0.20	233.86	12.00	12.00	0.00
7,483.35	89.31	0.05	7,210.00	316.69	0.27	316.69	12.00	12.00	0.00
End Build @ 7483.35 MD - Hold Angle @ 89.31									
7,500.00	89.31	0.05	7,210.20	333.34	0.29	333.34	0.00	0.00	0.00
7,600.00	89.31	0.05	7,211.41	433.33	0.37	433.33	0.00	0.00	0.00
7,700.00	89.31	0.05	7,212.62	533.32	0.46	533.32	0.00	0.00	0.00
7,800.00	89.31	0.05	7,213.83	633.32	0.55	633.32	0.00	0.00	0.00
7,900.00	89.31	0.05	7,215.04	733.31	0.64	733.31	0.00	0.00	0.00
8,000.00	89.31	0.05	7,216.25	833.30	0.72	833.30	0.00	0.00	0.00
8,100.00	89.31	0.05	7,217.46	933.29	0.81	933.29	0.00	0.00	0.00
8,200.00	89.31	0.05	7,218.67	1,033.29	0.90	1,033.29	0.00	0.00	0.00
8,300.00	89.31	0.05	7,219.88	1,133.28	0.99	1,133.28	0.00	0.00	0.00
8,400.00	89.31	0.05	7,221.09	1,233.27	1.07	1,233.27	0.00	0.00	0.00
8,500.00	89.31	0.05	7,222.30	1,333.26	1.16	1,333.26	0.00	0.00	0.00
8,600.00	89.31	0.05	7,223.51	1,433.26	1.25	1,433.26	0.00	0.00	0.00
8,700.00	89.31	0.05	7,224.72	1,533.25	1.33	1,533.25	0.00	0.00	0.00
8,800.00	89.31	0.05	7,225.93	1,633.24	1.42	1,633.24	0.00	0.00	0.00
8,900.00	89.31	0.05	7,227.14	1,733.23	1.51	1,733.24	0.00	0.00	0.00
9,000.00	89.31	0.05	7,228.35	1,833.23	1.60	1,833.23	0.00	0.00	0.00
9,100.00	89.31	0.05	7,229.56	1,933.22	1.68	1,933.22	0.00	0.00	0.00
9,200.00	89.31	0.05	7,230.77	2,033.21	1.77	2,033.21	0.00	0.00	0.00
9,300.00	89.31	0.05	7,231.98	2,133.21	1.86	2,133.21	0.00	0.00	0.00
9,400.00	89.31	0.05	7,233.19	2,233.20	1.95	2,233.20	0.00	0.00	0.00
9,500.00	89.31	0.05	7,234.40	2,333.19	2.03	2,333.19	0.00	0.00	0.00
9,600.00	89.31	0.05	7,235.61	2,433.18	2.12	2,433.18	0.00	0.00	0.00
9,700.00	89.31	0.05	7,236.82	2,533.18	2.21	2,533.18	0.00	0.00	0.00
9,800.00	89.31	0.05	7,238.03	2,633.17	2.30	2,633.17	0.00	0.00	0.00
9,900.00	89.31	0.05	7,239.24	2,733.16	2.38	2,733.16	0.00	0.00	0.00
10,000.00	89.31	0.05	7,240.45	2,833.15	2.47	2,833.16	0.00	0.00	0.00
10,100.00	89.31	0.05	7,241.66	2,933.15	2.56	2,933.15	0.00	0.00	0.00
10,200.00	89.31	0.05	7,242.87	3,033.14	2.65	3,033.14	0.00	0.00	0.00
10,300.00	89.31	0.05	7,244.08	3,133.13	2.73	3,133.13	0.00	0.00	0.00
10,400.00	89.31	0.05	7,245.29	3,233.12	2.82	3,233.13	0.00	0.00	0.00
10,500.00	89.31	0.05	7,246.50	3,333.12	2.91	3,333.12	0.00	0.00	0.00
10,600.00	89.31	0.05	7,247.71	3,433.11	2.99	3,433.11	0.00	0.00	0.00
10,700.00	89.31	0.05	7,248.92	3,533.10	3.08	3,533.10	0.00	0.00	0.00
10,800.00	89.31	0.05	7,250.13	3,633.10	3.17	3,633.10	0.00	0.00	0.00
10,900.00	89.31	0.05	7,251.34	3,733.09	3.26	3,733.09	0.00	0.00	0.00
11,000.00	89.31	0.05	7,252.55	3,833.08	3.34	3,833.08	0.00	0.00	0.00
11,100.00	89.31	0.05	7,253.76	3,933.07	3.43	3,933.07	0.00	0.00	0.00
11,200.00	89.31	0.05	7,254.97	4,033.07	3.52	4,033.07	0.00	0.00	0.00
11,300.00	89.31	0.05	7,256.18	4,133.06	3.61	4,133.06	0.00	0.00	0.00
11,400.00	89.31	0.05	7,257.39	4,233.05	3.69	4,233.05	0.00	0.00	0.00
11,500.00	89.31	0.05	7,258.60	4,333.04	3.78	4,333.05	0.00	0.00	0.00
11,600.00	89.31	0.05	7,259.81	4,433.04	3.87	4,433.04	0.00	0.00	0.00
11,700.00	89.31	0.05	7,261.02	4,533.03	3.96	4,533.03	0.00	0.00	0.00
11,800.00	89.31	0.05	7,262.23	4,633.02	4.04	4,633.02	0.00	0.00	0.00
11,848.98	89.31	0.05	7,262.82	4,682.00	4.09	4,682.00	0.00	0.00	0.00
Skeen 23 26 26 Fed 6H BHL									
11,900.00	89.31	0.05	7,263.44	4,733.01	4.13	4,733.02	0.00	0.00	0.00
12,000.00	89.31	0.05	7,264.65	4,833.01	4.22	4,833.01	0.00	0.00	0.00

Database:	STXWP_EDM	Local Co-ordinate Reference:	Well Skeen 23 26 26 Fed 6H
Company:	Chevron USA, Inc	TVD Reference:	GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)
Project:	Eddy County, NM	MD Reference:	GL 3431.0' + KB 31.0' @ 3462.00usft (TBD)
Site:	Skeen 23 26 26 Fed	North Reference:	Grid
Well:	Skeen 23 26 26 Fed 6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

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)
12,028.99	89.31	0.05	7,265.00	4,862.00	4.24	4,862.00	0.00	0.00	0.00
TD @ 12028.99' MD - Skeen 23 26 26 Fed 6H BHL 2									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Skeen 23 26 26 Fed € - plan misses target center by 0.09usft at 11848.98usft MD (7262.82 TVD, 4682.00 N, 4.09 E) - Point	0.00	0.01	7,262.82	4,682.00	4.00	376,213.00	519,797.00	32° 2' 3.509 N	104° 16' 10.010 W
Skeen 23 26 26 Fed € - plan hits target center - Rectangle (sides W100.00 H4,545.31 D50.00)	0.69	0.05	7,265.00	4,862.00	4.24	376,393.00	519,797.24	32° 2' 5.290 N	104° 16' 10.006 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
397.00	397.00	Castile		0.69	0.05
1,915.00	1,915.00	Lamar LS		0.69	0.05
1,955.00	1,955.00	Bell Canyon		0.69	0.05
2,796.00	2,796.00	Cherry Canyon		0.69	0.05
3,892.00	3,892.00	Brushy Canyon		0.69	0.05
5,453.48	5,451.40	T/Bone Spring		0.69	0.05
5,563.79	5,561.28	Avalon		0.69	0.05
6,414.13	6,408.39	1st Bone Spring Sand		0.69	0.05
6,563.54	6,557.23	Base 1st Bone Spring Sand		0.69	0.05
7,073.78	7,040.49	2nd Bone Spring Sand		0.69	0.05

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
4,794.14	4,794.14	0.00	0.00	Start Build @ 4794.14' MD
4,794.14	4,794.14	0.00	0.00	Build Rate = 3.00°/100'
4,960.81	4,960.59	-7.27	-0.01	End Build @ 4960.81' MD
4,960.81	4,960.60	-7.27	-0.01	Hold Angle @ 5.00°
6,572.46	6,566.11	-147.73	-0.13	Start Drop @ 6572.46' MD
6,572.46	6,566.12	-147.73	-0.13	Drop Rate = 3.00°/100'
6,739.13	6,732.57	-155.00	-0.14	End Drop/Start Build @ 6739.13' MD
6,739.13	6,732.57	-155.00	-0.14	Build Rate = 12.00°/100'
7,483.35	7,210.00	316.69	0.27	End Build @ 7483.35' MD
7,483.35	7,210.00	316.69	0.27	Hold Angle @ 89.31°
12,028.99	7,265.00	4,862.00	4.24	TD @ 12028.99' MD

BLOWOUT PREVENTOR SCHEMATIC

Minimum Requirements

OPERATION : Intermediate and Production Hole Sections

Minimum System Pressure Rating : **5,000 psi**

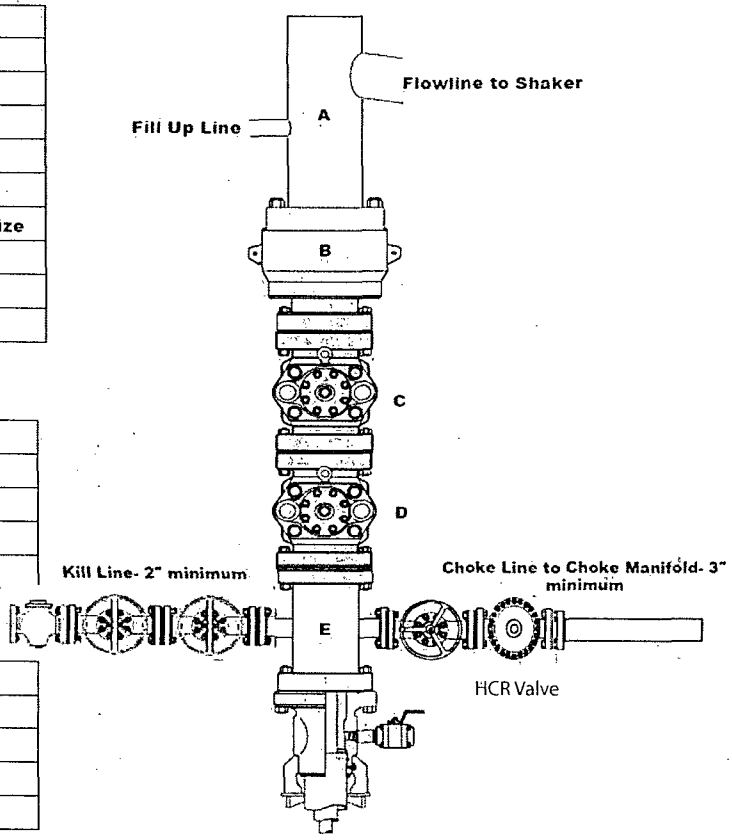
	SIZE	PRESSURE	DESCRIPTION
A		N/A	Bell Nipple
B	13 5/8"	5,000 psi	Annular
C	13 5/8"	5,000 psi	Pipe Ram
D	13 5/8"	5,000 psi	Blind Ram
E	13 5/8"	5,000 psi	Mud Cross
F			
DSA		As required for each hole size	
C-Sec			
B-Sec		13-5/8" 5K x 11" 5K	
A-Sec		13-3/8" SOW x 13-5/8" 5K	

Kill Line

SIZE	PRESSURE	DESCRIPTION
2"	5,000 psi	Gate Valve
2"	5,000 psi	Gate Valve
2"	5,000 psi	Check Valve

Choke Line

SIZE	PRESSURE	DESCRIPTION
3"	5,000 psi	Gate Valve
3"	5,000 psi	HCR Valve



Installation Checklist

The following item must be verified and checked off prior to pressure testing of BOP equipment.

- ☐ **The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.**
- ☐ **All valves on the kill line and choke line will be full opening and will allow straight though flow.**
- ☐ **The kill line and choke line will be straight unless turns use tee blocks or are targeted with running tess, and will be anchored to prevent whip and reduce vibration.**
- ☐ **Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be installed on all manual valves on the choke line and kill line.**
- ☐ **A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.**
- ☐ **Upper kelly cock valve with handle will be available on rig floor along with safety valve and subs to fit all drill string connections in use.**

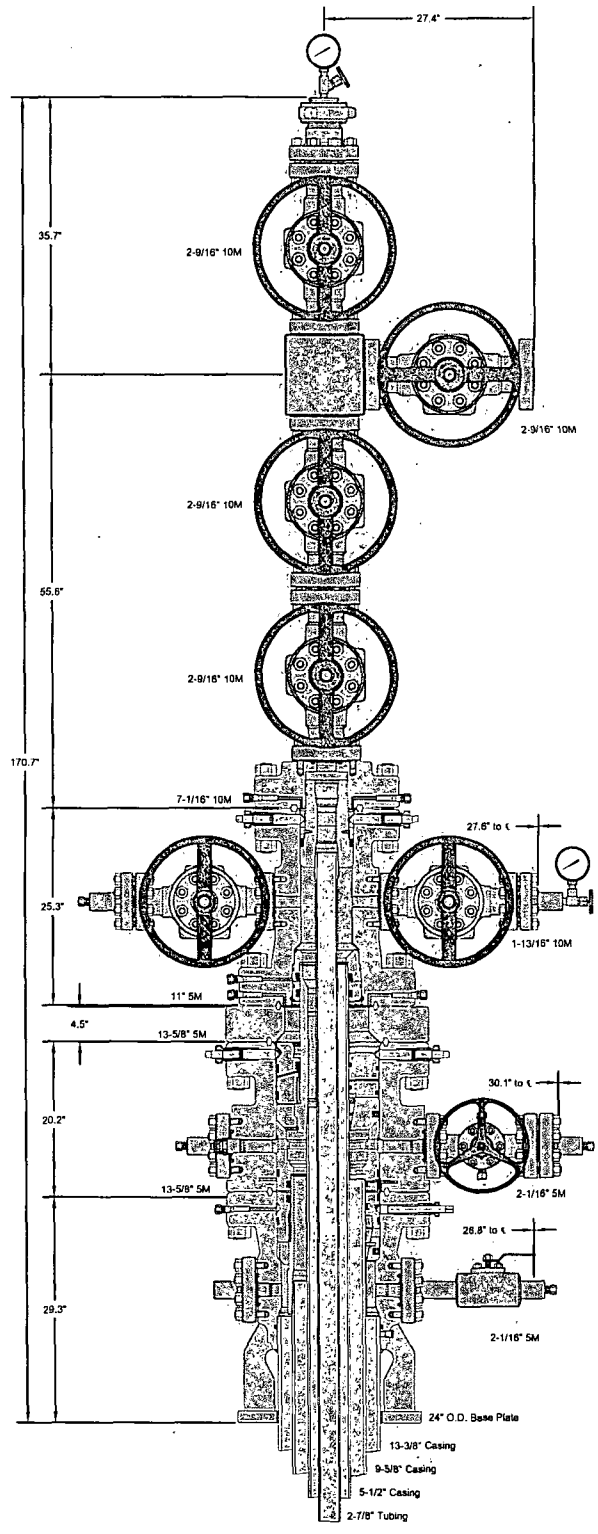
After Installation Checklist is complete, fill out the information below and email to Superintendent and Drilling Engineer

Wellname: _____

Representative: _____

Date: _____

GE Oil & Gas



CHEVRON USA, INC.
DELAWARE BASIN

13-3/8" x 9-5/8" x 5-1/2" x 2-7/8" 10M SH2/Conventional Wellhead Assembly, With DSA, T-EBS-F Tubing Head, T-EN Tubing Hanger and A5PEN Adapter Flange

DRAWN	VJK	19MAR13
APPRV	KN	19MAR13

FOR REFERENCE ONLY
DRAWING NO. AE23705

CHOKE MANIFOLD SCHEMATIC

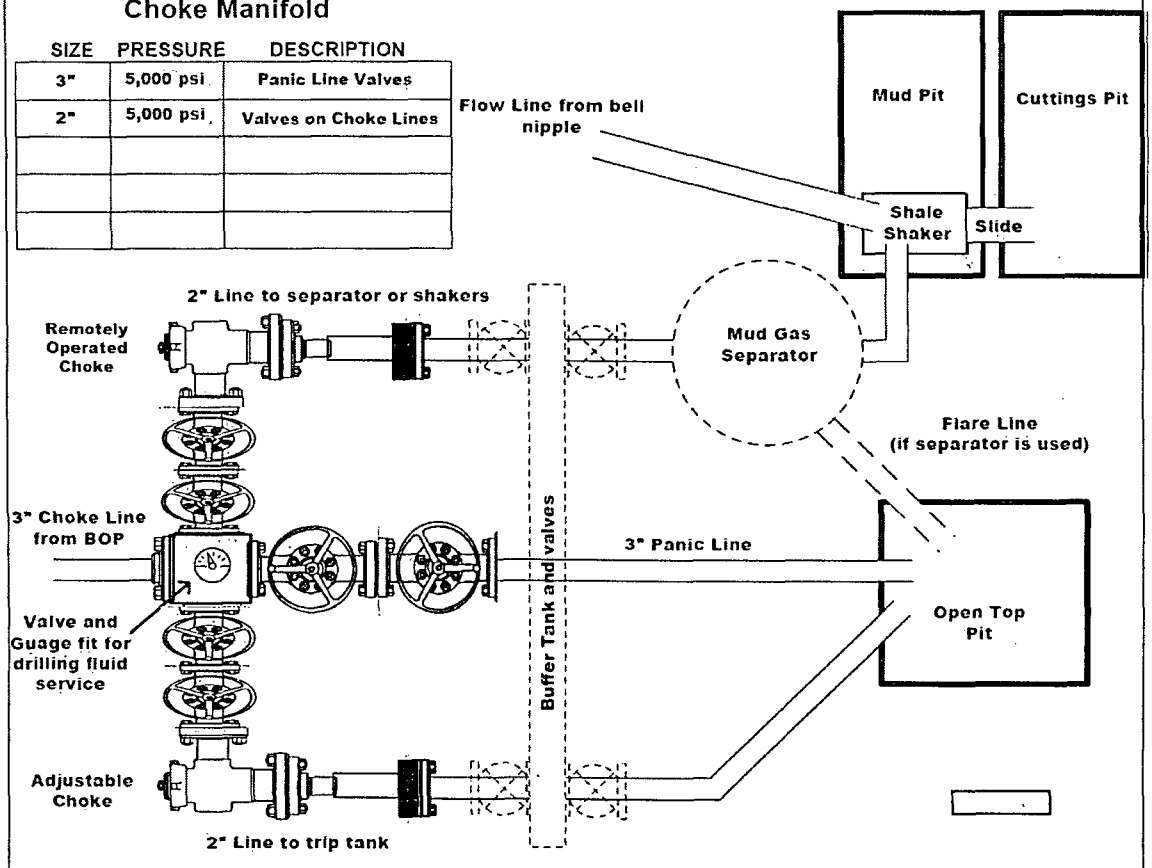
Minimum Requirements

OPERATION : Intermediate and Production Hole Sections

Minimum System Pressure Rating : **5,000 psi**

Choke Manifold

SIZE	PRESSURE	DESCRIPTION
3"	5,000 psi	Panic Line Valves
2"	5,000 psi	Valves on Choke Lines



Installation Checklist

The following item must be verified and checked off prior to pressure testing of BOP equipment.

- ☐ **The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.**
- ☐ **Adjustable Chokes may be Remotely Operated but will have backup hand pump for hydraulic actuation in case of loss of rig air pressure or power.**
- ☐ **Flare and Panic lines will terminate a minimum of 150' from the wellhead. These lines will terminate at a location as per approved APD.**
- ☐ **The choke line, kill line, and choke manifold lines will be straight unless turns use tee blocks or are targeted with running tess, and will be anchored to prevent whip and reduce vibration. This excludes the line between mud gas separator and shale shaker.**
- ☐ **All valves (except chokes) on choke line, kill line, and choke manifold will be full opening and will allow straight through flow. This excludes any valves between mud gas separator and shale shakers.**
- ☐ **All manual valves will have hand wheels installed.**
- ☐ **If used, flare system will have effective method for ignition**
- ☐ **All connections will be flanged, welded, or clamped (no threaded connections like hammer unions)**
- ☐ **If buffer tank is used, a valve will be used on all lines at any entry or exit point to or from the buffer tank.**

After Installation Checklist is complete, fill out the information below and email to Superintendent and Drilling Engineer

Wellname: _____

Representative: _____

Date: _____

BOPE Testing

Minimum Requirements

Closing Unit and Accumulator Checklist

The following item must be performed, verified, and checked off at least once per well prior to low/high pressure testing of BOP equipment. This must be repeated after 6 months on the same well.

☐ **Precharge pressure for each accumulator bottle must fall within the range below. Bottles may be further charged with nitrogen gas only. Tested precharge pressures must be recorded for each individual bottle and kept on location through the end of the well. Test will be conducted prior to connecting unit to BOP stack.**

Check one that applies	Accumulator working pressure rating	Minimum acceptable operating pressure	Desired precharge pressure	Maximum acceptable precharge pressure	Minimum acceptable precharge pressure
☐	1500 psi	1500 psi	750 psi	800 psi	700 psi
☐	2000 psi	2000 psi	1000 psi	1100 psi	900 psi
☐	3000 psi	3000 psi	1000 psi	1100 psi	900 psi

☐ **Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if used), close all rams, close the annular preventer, and retain a minimum of 200 psi above the maximum acceptable precharge pressure (see table above) on the closing manifold without the use of the closing pumps. This test will be performed with test pressure recorded and kept on location through the end of the well**

☐ **Accumulator fluid reservoir will be double the usable fluid volume of the accumulator system capacity. Fluid level will be maintained at manufacturer's recommendations. Usable fluid volume will be recorded. Reservior capacity will be recorded. Reservoir fluid level will be recorded along with manufacturer's recommendation. All will be kept on location through the end of the well.**

☐ **Closing unit system will have two independent power sources (not counting accumulator bottles) to close the preventers.**

☐ **Power for the closing unit pumps will be available to the unit at all times so that the pumps will automatically start when the closing valve manifold pressure decreases to the pre-set level. It is recommended to check that air line to accumulator pump is "ON" during each tour change.**

☐ **With accumulator bottles isolated, closing unit will be capable of opening the hydraulically-operated choke line valve (if used) plus close the annular preventer on the smallest size drill pipe within 2 minutes and obtain a minimum of 200 psi above maximum acceptable precharge pressure (see table above) on the closing manifold. Test pressure and closing time will be recorded and kept on location through the end of the well.**

☐ **Master controls for the BOPE system will be located at the accumulator and will be capable of opening and closing all preventer and the choke line valve (if used)**

☐ **Remote controls for the BOPE system will be readily accessible (clear path) to the driller and located on the rig floor (not in the dog house). Remote controls will be capable of closing all preventers.**

☐ **Record accumulator tests in drilling reports and IADC sheet**

BOPE Test Checklist

The following item must be ckecked off prior to beginning test

☐ **BLM will be given at least 4 hour notice prior to beginning BOPE testing**

☐ **Valve on casing head below test plug will be open**

☐ **Test will be performed using clear water.**

The following item must be performed during the BOPE testing and then checked off

☐ **BOPE will be pressure tested when initially installed, whenever any seal subject to test pressure is broken, following related repairs, and at a minimum of 30 days intervals. Test pressure and times will be recorded by a 3rd party on a test chart and kept on location through the end of the well.**

☐ **Test plug will be used**

☐ **Ram type preventer and all related well control equipment will be tested to 250 psi (low) and 5,000 psi (high).**

☐ **Annular type preventer will be tested to 250 psi (low) and 3,500 psi (high).**

☐ **Valves will be tested from the working pressure side with all down stream valves open. The check valve will be held open to test the kill line valve(s)**

☐ **Each pressure test will be held for 10 minutes with no allowable leak off.**

☐ **Master controls and remote controls to the closing unit (accumulator) must be function tested as part of the BOP testing**

☐ **Record BOP tests and pressures in drilling reports and IADC sheet**

After Installation Checklist is complete, fill out the information below and email to Superintendent and Drilling Engineer along with any/all BOP and accumulator test charts and reports from 3rd parties.

Wellname: _____

Representative: _____

Date: _____

Midwest Hose
& Specialty, Inc.

INTERNAL HYDROSTATIC TEST CERTIFICATE

Customer:	Customer P.O. Number:
ODESSA	193072

HOSE SPECIFICATIONS

Type: Rotary/CHOKE KILL GRADE E / API 7K	Hose Length: 25' FEET
I.D. 3" *INCHES*	O.D. 4.77 *INCHES*

WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
10,000 *PSI*	15,000 *PSI*	N/A *PSI*

COUPLINGS

Part Number	Stem Lot Number	Ferrule Lot Number
E3.0X64WB E3.0X64WB		L08301765 L08301765

Type of Coupling:	Die Size:
SWAGE-IT	5.25

PROCEDURE

Hose assembly pressure tested with water at ambient temperature.

TIME HELD AT TEST PRESSURE	ACTUAL BURST PRESSURE:
3 1/2 *MIN.*	N/A *PSI*

Hose Assembly Serial Number:	Hose Serial Number:
212332	8104

Comments:

Date:	Tested:	Approved:
8/7/2013		

Midwest Hose & Specialty, Inc.

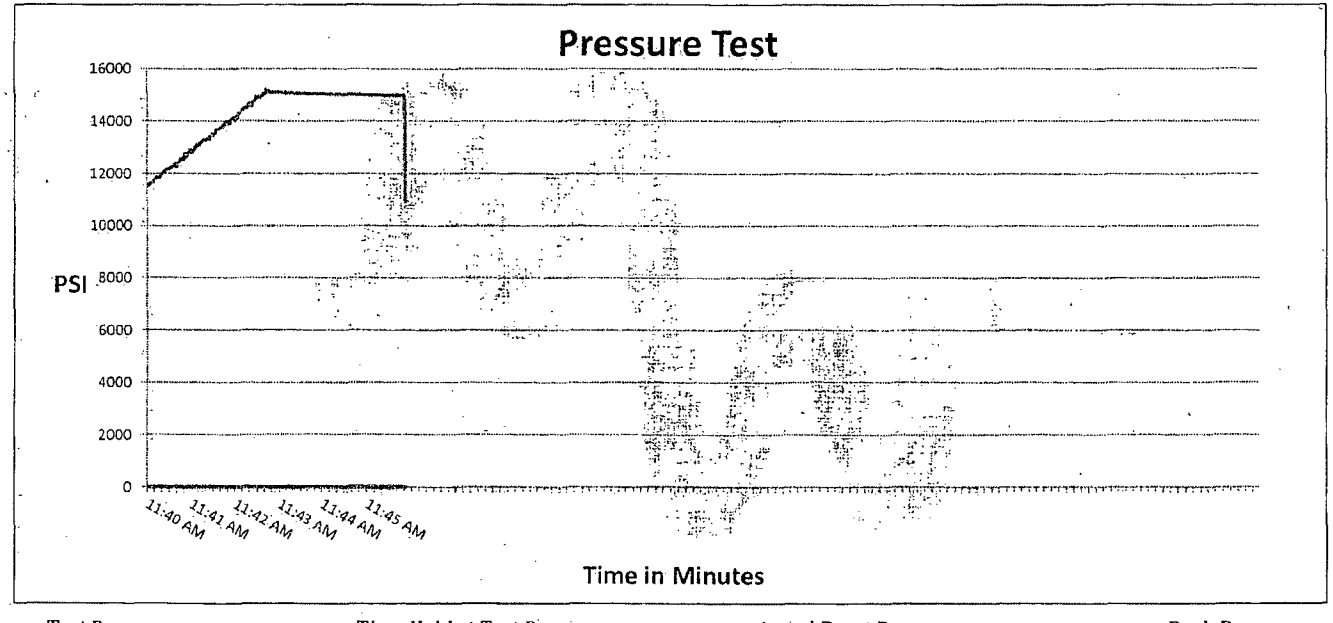
Internal Hydrostatic Test Graph

August 7, 2013

Customer: Odessa

Pick Ticket #: 212332

Hose Specifications		Verification	
Hose Type	**Length**	**Type of Fitting**	**Coupling Method**
E	25'	4 1/16 10K	Swage
I.D.	**O.D.**	**Die Size**	**Final O.D.**
3""	4.77"	5.25"	5.31"
Working Pressure	**Burst Pressure**	**Hose Serial #**	**Hose Assembly Serial #**
7500 PSI	Standard Safety Multiplier Applies	8104	212332



Test Pressure	Time Held at Test Pressure	Actual Burst Pressure	Peak Pressure
15000 PSI	3 2/4 Minutes		15263 PSI

Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: *Ryan Malone*

Approved By: *Ryan Adams*

x _____

x _____

Exhibit D

Ensign 767 Pad Layout (330' x 370')

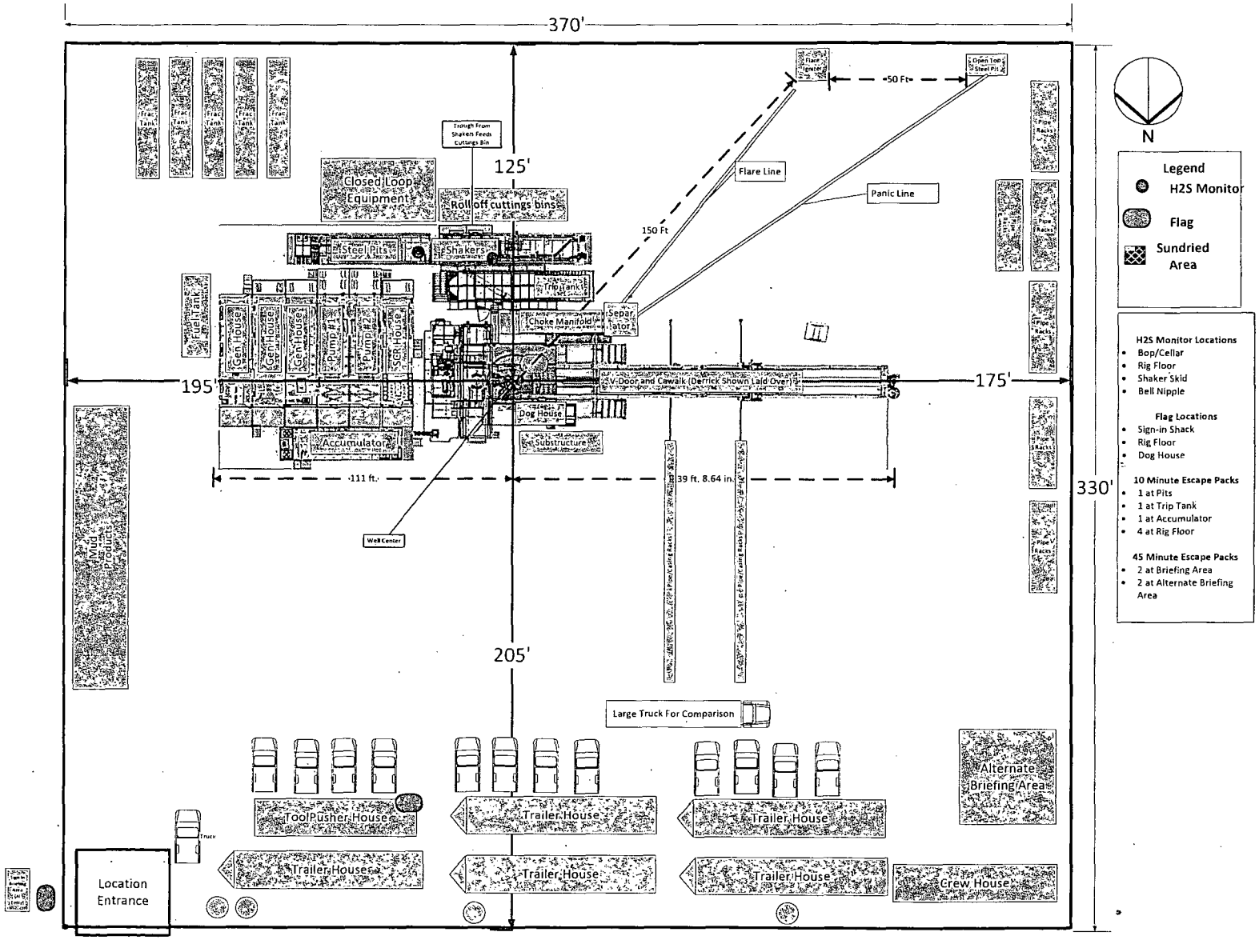


Exhibit E

SKEEN 23 26 26 FEDERAL NO. 6H WELL	NW ARCH. AREA CRN.	NE ARCH. AREA CRN.	SE ARCH. AREA CRN.	SW ARCH. AREA CRN.	SW TOP SOIL AREA CRN.	SE TOP SOIL AREA CRN.
X= 519,793 NAD 27	X= 519,507 NAD 27	X= 520,107 NAD 27	X= 520,101 NAD 27	X= 519,501 NAD 27	X= 519,517 NAD 27	X= 519,987 NAD 27
Y= 371,531	Y= 371,874	Y= 371,868	Y= 371,268	Y= 371,274	Y= 371,358	Y= 371,364
LAT. 32.021437	ELEVATION +3428' NAVD 88	ELEVATION +3435' NAVD 88	ELEVATION +3434' NAVD 88	ELEVATION +3424' NAVD 88	ELEVATION +3427' NAVD 88	ELEVATION +3433' NAVD 88
LONG. 104.269468	NW PAD CRN.	NE PAD CRN.	SE PAD CRN./NE TOP SOIL AREA CRN.	SW PAD CRN./NW TOP SOIL AREA CRN.		
X= 560,877 NAD83	X= 519,621 NAD 27	X= 519,991 NAD 27	X= 519,987 NAD 27	X= 519,617 NAD 27		
Y= 371,587	Y= 371,735	Y= 371,734	Y= 371,404	Y= 371,408		
LAT. 32.021558	ELEVATION +3429' NAVD 88	ELEVATION +3433' NAVD 88	ELEVATION +3433' NAVD 88	ELEVATION +3427' NAVD 88		
LONG. 104.269963						
ELEVATION +3431' NAVD 88						

R 26 E

Sec. 23

Bureau of Land Management
SW/SW

PROPOSED ARCHAEOLOGICAL AREA
±5.12 Acres

600'

Proposed Access Road for Skeen 22 26 26 Federal 7H

370'

PROPOSED ACCESS ROAD
14' X ±22.48'
±0.01 Acres
±1.36 Rods

PROPOSED PAD
±2.80 Acres

200'

600'

337'

200'

40'

370'

T 26 S

Area to be Reclaimed

TOP SOIL AREA
±0.34 Acres

Sec. 27

Bureau of Land Management

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.

NOTE:
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. For guidance, New Mexico One Call, www.nmonecall.org

DISCLAIMER: At this time, C H, 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.

NAD 27 NEW MEXICO EAST ZONE

LEGEND
Section Line
Proposed Well

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
NEW MEXICO
15078
REGISTERED PROFESSIONAL SURVEYOR

WM. J. DANIEL III
Registration No. 15078

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SKEEN 23-26-26 FEDERAL NO. 6H WELL
SECTION 23, T26S-R26E
EDDY COUNTY, NEW MEXICO

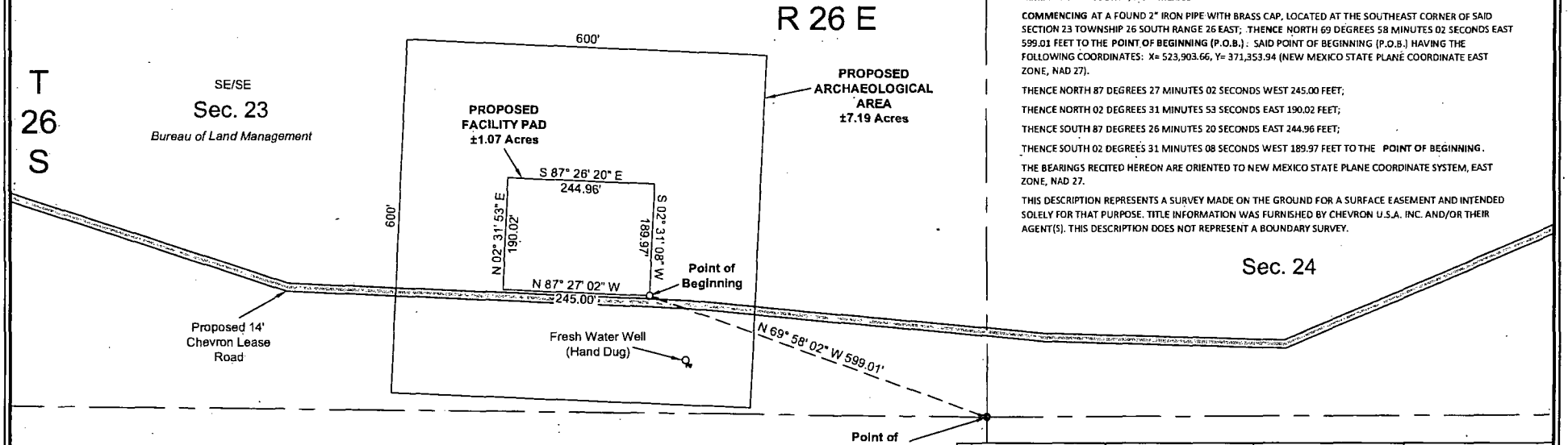
FENSTERMAKER
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

Scale: 1" = 100'
100' 0 50' 100'

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: GDG	No. 1	DATE: 02/21/2014	REVISED BY: BMO
DATE: 02/03/2014	No.	DATE:	REVISED BY:
FILENAME: T:\2013\213244\DWG\Skeen 23-26-26 Federal 6H SUP.dwg			

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.

NOTE:
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. For guidance: New Mexico One Call - www.nmonecall.org



METES AND BOUNDS DESCRIPTION OF
A CALLED 1.07 ACRE FACILITY SITE
SECTION 23, T26S-R26E
EDDY COUNTY, NEW MEXICO
SECTION 23 T26S-R26E FACILITY

SURVEY OF A PROPOSED 190' X 245' FACILITY SITE ON BUREAU OF LAND MANAGEMENT LANDS IN THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 23, TOWNSHIP 26 SOUTH RANGE 26 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO.

COMMENCING AT A FOUND 2" IRON PIPE WITH BRASS CAP, LOCATED AT THE SOUTHEAST CORNER OF SAID SECTION 23 TOWNSHIP 26 SOUTH RANGE 26 EAST; THENCE NORTH 69 DEGREES 58 MINUTES 02 SECONDS EAST 599.01 FEET TO THE POINT OF BEGINNING (P.O.B.); SAID POINT OF BEGINNING (P.O.B.) HAVING THE FOLLOWING COORDINATES: X= 523,903.66, Y= 371,353.94 (NEW MEXICO STATE PLANE COORDINATE EAST ZONE, NAD 27).

THENCE NORTH 87 DEGREES 27 MINUTES 02 SECONDS WEST 245.00 FEET;

THENCE NORTH 02 DEGREES 31 MINUTES 53 SECONDS EAST 190.02 FEET;

THENCE SOUTH 87 DEGREES 26 MINUTES 20 SECONDS EAST 244.96 FEET;

THENCE SOUTH 02 DEGREES 31 MINUTES 08 SECONDS WEST 189.97 FEET TO THE POINT OF BEGINNING.

THE BEARINGS RECITED HEREON ARE ORIENTED TO NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27.

THIS DESCRIPTION REPRESENTS A SURVEY MADE ON THE GROUND FOR A SURFACE EASEMENT AND INTENDED SOLELY FOR THAT PURPOSE. TITLE INFORMATION WAS FURNISHED BY CHEVRON U.S.A. INC. AND/OR THEIR AGENT(S). THIS DESCRIPTION DOES NOT REPRESENT A BOUNDARY SURVEY.

NW ARCH. AREA CRN.	NE ARCH. AREA CRN.	SE ARCH. AREA CRN.	SW ARCH. AREA CRN.
X= 523,500 NAD 27	X= 524,099 NAD 27	X= 524,072 NAD 27	X= 523,473 NAD 27
Y= 371,790	Y= 371,763	Y= 371,164	Y= 371,190
ELEVATION +3428' NAVD 88	ELEVATION +3420' NAVD 88	ELEVATION +3421' NAVD 88	ELEVATION +3425' NAVD 88
NW PAD CORNER	NE PAD CORNER	SE PAD CORNER	SW PAD CORNER
X= 523,667 NAD 27	X= 523,912 NAD 27	X= 523,904 NAD 27	X= 523,659 NAD 27
Y= 371,555	Y= 371,544	Y= 371,354	Y= 371,365
ELEVATION +3425' NAVD 88	ELEVATION +3420' NAVD 88	ELEVATION +3421' NAVD 88	ELEVATION +3425' NAVD 88

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.

Not to be used for construction, bidding, recordation, conveyance, sales, or as the basis for the issuance of a permit.

PRELIMINARY

WM. J. Daniel III
Registration No. 15078

DISCLAIMER: At this time, C.H. 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.

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

CHEVRON U.S.A. INC.

PROPOSED FACILITY PAD
SECTION 23, T26S-R26E
EDDY COUNTY, NEW MEXICO

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: GDG	No.	DATE:	REVISED BY:
DATE: 02/21/2014	No.	DATE:	REVISED BY:
FILENAME: T:\2013\2132447\DWG\SECTION 23 26 26 FACILITY SUP.dwg			

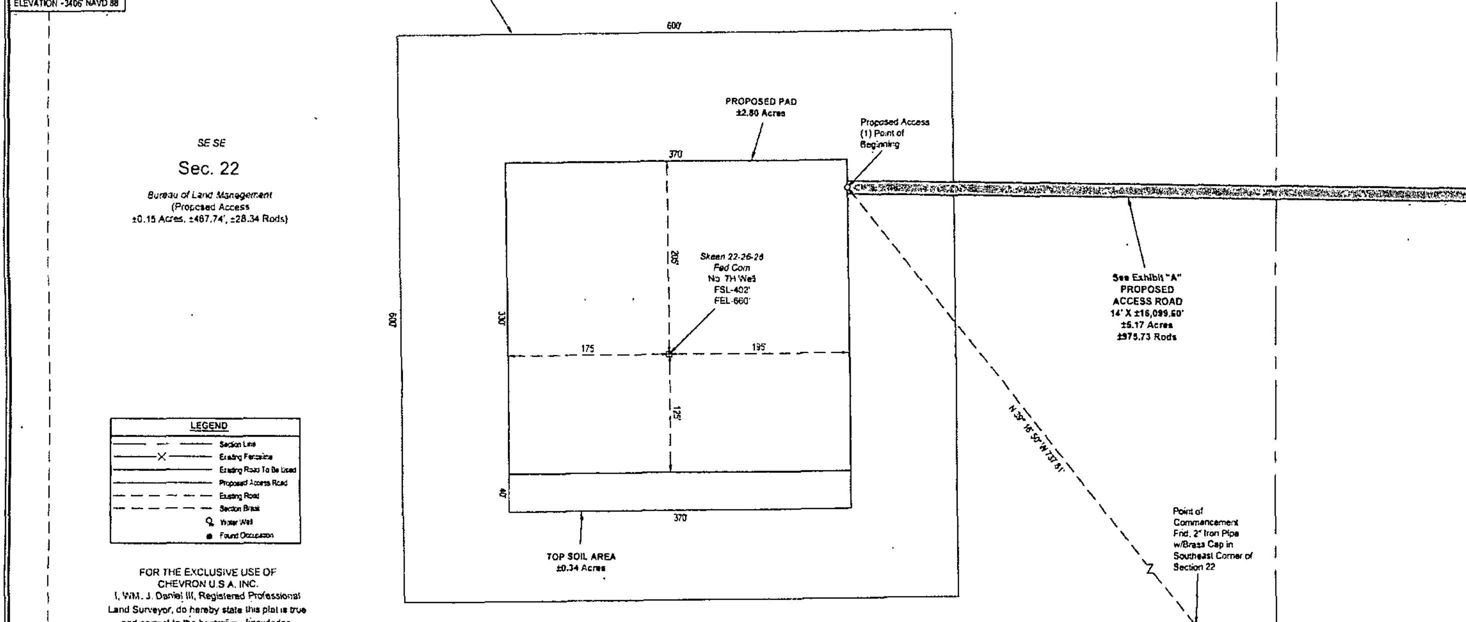
Exhibit F

SKEEN 22-26-26 FED COM NO 7H WELL		
X=	518,473	NAD 27
Y=	371,601	
LAT.	32.021631	
LONG.	104 273727	
X=	559,657	NAD83
Y=	371,658	
LAT.	32.021753	
LONG	104 274222	
ELEVATION +3406' NAVD 88		

	NW ARCH. AREA CRN.	NE ARCH. AREA CRN.	SE ARCH. AREA CRN.	SW ARCH. AREA CRN.	NW PAD CRN.	NE PAD CRN.
X=	518,179 NAD 27	518,779 NAD 27	518,787 NAD 27	518,187 NAD 27	518 295 NAD 27	518,668 NAD 27
Y=	371,937	371,946	371,346	371,337	371.804	371,809
ELEVATION	+3395' NAVD 88	+3413' NAVD 88	+3411' NAVD 88	+3397' NAVD 88	+3399' NAVD 88	+3400' NAVD 88

	SE PAD CRN./NE TOP SOIL AREA CRN.	SW PAD CRN./NW TOP SOIL AREA CRN.
X=	518,670 NAD 27	518,300 NAD 27
Y=	371,479	371,474
ELEVATION	+3410' NAVD 88	+3401' NAVD 88
	SE TOP SOIL AREA CRN.	SW TOP SOIL AREA CRN.
X=	518 671 NAD 27	518,301 NAD 27
Y=	371,439	371,434
ELEVATION	+3410' NAVD 88	+3401' NAVD 88

Exhibit G



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 NEW MEXICO 15078 REGISTERED PROFESSIONAL SURVEYOR

WM. J. Daniel III
Registration No. 15078

Scale: 1"=100'
100' 0 50' 100'

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, www.nmonecall.org

DISCLAIMER: AT THIS TIME, C. H. 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

SURFACE USE PLAT

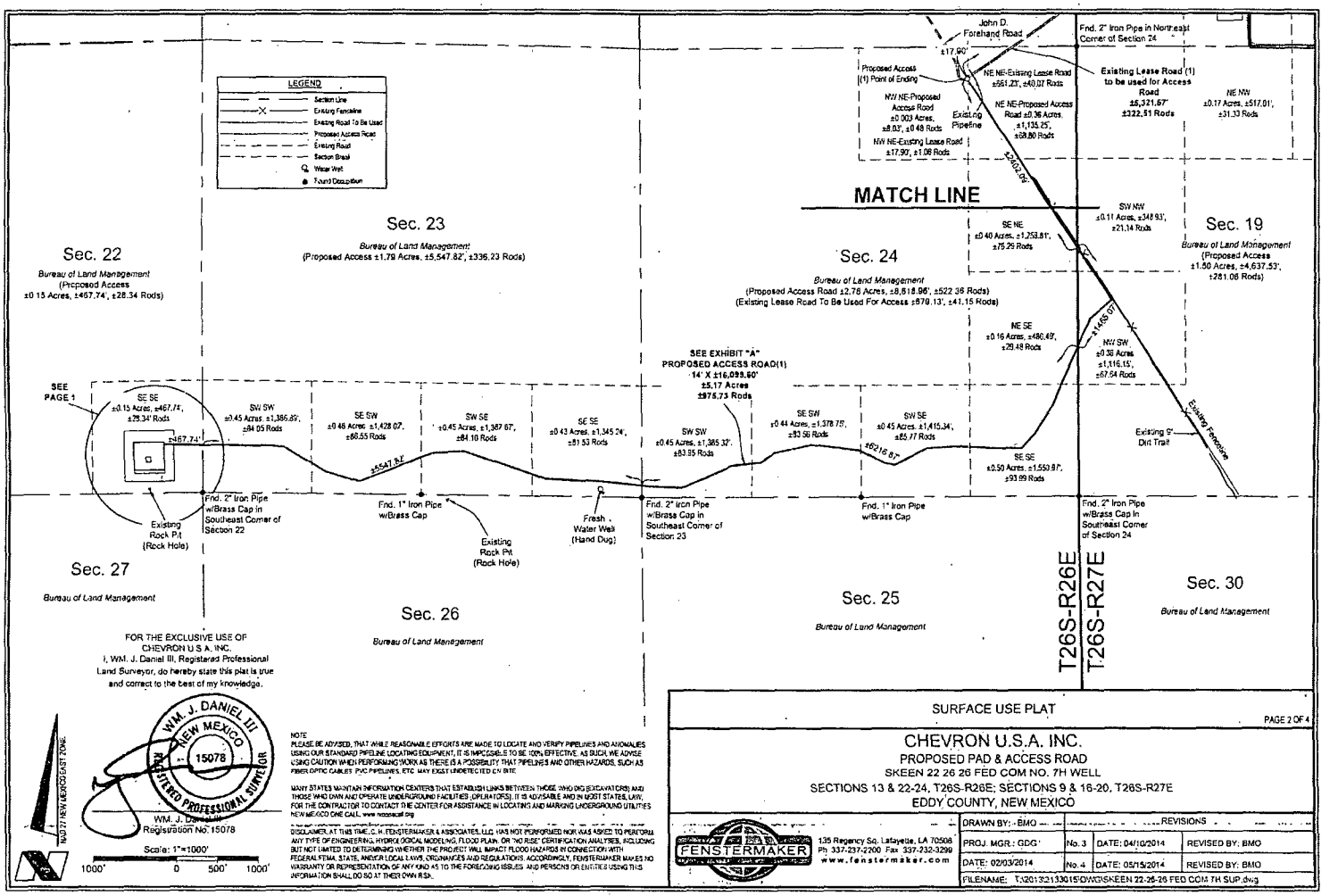
PAGE 1 OF 4

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SKEEN 22-26-26 FED COM NO. 7H WELL
SECTIONS 13 & 22-24, T26S-R26E; SECTIONS 9 & 16-20, T26S-R27E
EDDY COUNTY, NEW MEXICO

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

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: GDG	No. 3	DATE: 04/10/2014	REVISED BY: BMO
DATE: 02/03/2014	No. 4	DATE: 05/15/2014	REVISED BY: BMO
FILENAME: T:\2013\2133015\DWG\SKEEN 22-26-26 FED COM 7H SUP.dwg			



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 NEW MEXICO 15078 REGISTERED PROFESSIONAL SURVEYOR

WM. J. Daniel III
Registration No. 15078

NAD 27 NEW MEXICO EAST ZONE

Scale: 1"=1000'

1000' 0 500' 1000'

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, www.nmocall.org

DISCLAIMER, AT THIS TIME, C. H. 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.

SURFACE USE PLAT

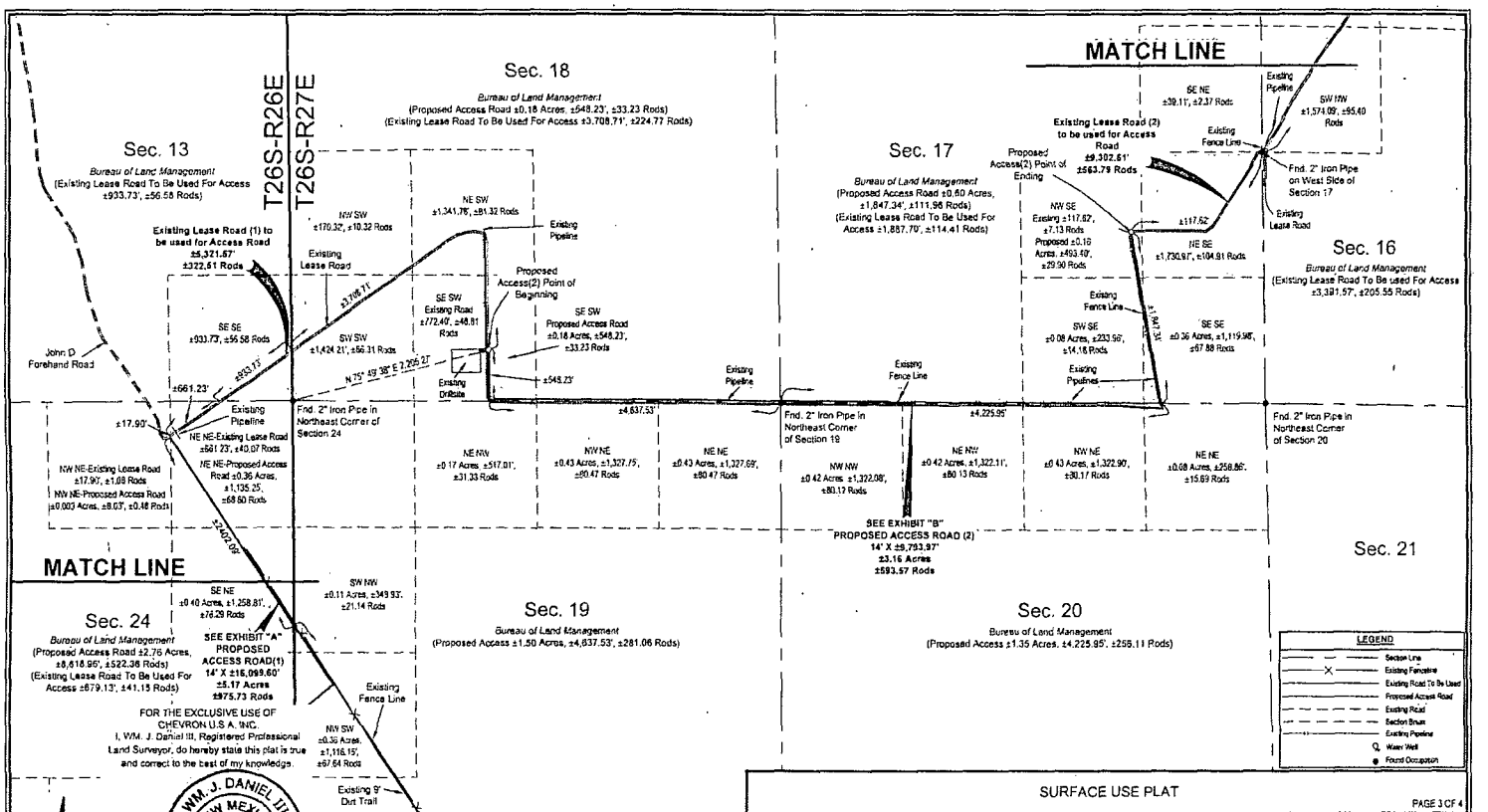
PAGE 2 OF 4

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SKEEN 22 26 26 FED COM NO. 7H WELL
SECTIONS 13 & 22-24, T26S-R26E; SECTIONS 9 & 16-20, T26S-R27E
EDDY COUNTY, NEW MEXICO

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

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: GDG	No. 3	DATE: 04/10/2014	REVISED BY: BMO
DATE: 02/03/2014	No. 4	DATE: 05/15/2014	REVISED BY: BMO
FILENAME: T:\2013\213\30015\DWG\SKEEN 22-26-26 FED COM 7H SUP.dwg			



SURFACE USE PLAT

CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SKEEN 22-26-26 FED COM NO. 7H WELL
SECTIONS 13 & 22-24, T26S-R26E; SECTIONS 9 & 16-20, T26S-R27E
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FILENAME: T:\2013\213301\5\DWG\SKEEN 22-26-26 FED COM 7H SUP.dwg			

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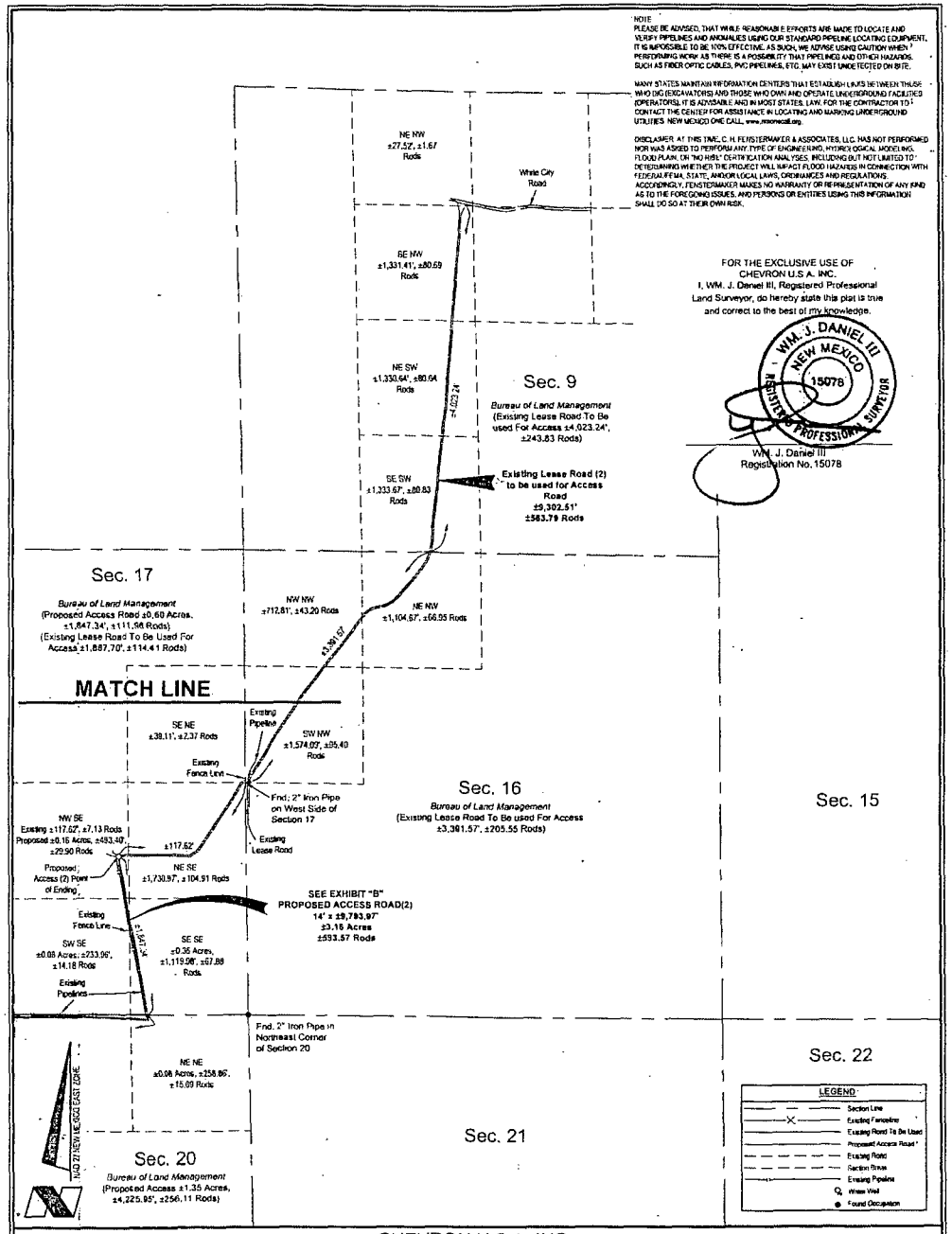
FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, WM. J. Daniel III, Registered Professional Land Surveyor, do hereby state this plat is true and correct to the best of my knowledge.

WM. J. DANIEL III · NEW MEXICO · 15078 · REGISTERED PROFESSIONAL SURVEYOR

Wm. J. Daniel III
Registration No. 15078



CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SKEEN 22-26-26 FED COM NO. 7H WELL
SECTIONS 13 & 22-24, T26S-R26E; SECTIONS 9 & 16-20, T26S-R27E
EDDY COUNTY, NEW MEXICO

FENSTERMAKER
135 Regency Sq. Lafayette, LA 70508
PH: 337-237-2200 Fax: 337-232-3299
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Scale: 1"=1000'
1000' 0 500' 1000'

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FILENAME: T:\2013\2133015\DWG\SKEEN 22-26-26 FED COM 7H SUP.dwg			

Exhibit G1

METES AND BOUNDS DESCRIPTION OF A
PROPOSED FRAC POND LOCATED IN
SECTION 19 T26S-R27E.
EDDY COUNTY, NEW MEXICO

PROPOSED SKEEN 22 26 26 FED COM NO. 7H FRAC POND

SURVEY OF A PROPOSED 2.24 ACRE FRAC POND ON BUREAU OF LAND MANAGEMENT LAND LOCATED IN THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 19, TOWNSHIP 26 SOUTH RANGE 27 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO.

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 19 TOWNSHIP 26 SOUTH RANGE 27 EAST AT A FOUND 2 INCH IRON PIPE WITH 3 INCH BRASS CAP; **THENCE** NORTH 10 DEGREES 47 MINUTES 42 SECONDS EAST 1,885.10 FEET TO THE **POINT OF BEGINNING**, SAID **POINT OF BEGINNING** HAVING THE FOLLOWIING COORDINATES: X= 530,144.94, Y= 373,018.54 (NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27).

THENCE NORTH 39 DEGREES 48 MINUTES 04 SECONDS WEST 324.97 FEET;

THENCE NORTH 50 DEGREES 12 MINUTES 07 SECONDS EAST 300.05 FEET;

THENCE SOUTH 39 DEGREES 47 MINUTES 48 SECONDS EAST 324.97 FEET;

THENCE SOUTH 50 DEGREES 12 MINUTES 14 SECONDS WEST 300.03 FEET TO THE **POINT OF ENDING**. SAID **POINT OF ENDING** HAVING THE FOLLOWING COORDINATES; X= 530,144.94, Y= 373,018.54 (NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27).

REFERENCE IS HEREBY MADE TO A SEPARATE PLAT OF THE SUBJECT PROPOSED FRAC POND.

THE BEARINGS RECITED HEREON ARE ORIENTED TO NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27.

THIS DESCRIPTION REPRESENTS A SURVEY MADE ON THE GROUND FOR A PROPOSED FRAC POND AND INTENDED SOLELY FOR THAT PURPOSE. THIS DESCRIPTION DOES NOT REPRESENT A BOUNDARY SURVEY.

WM. J. Daniel III
Registered Professional Land Surveyor # 15078
C. H. Fenstermaker & Associates, LLC
135 Regency Square
Lafayette, LA 70508
337-237-2200

Exhibit G2

EXHIBIT "B"
METES AND BOUNDS DESCRIPTION OF A
PROPOSED ACCESS ROAD LOCATED IN
SECTIONS 17, 18, 19 AND 20 T26S-R27E.
EDDY COUNTY, NEW MEXICO

SKEEN 22 26 26 FED 7H ACCESS ROAD

SURVEY OF A PROPOSED ACCESS ROAD 9,793.97 FEET OR 593.57 RODS IN LENGTH CROSSING BUREAU OF LAND MANAGEMENT LANDS IN SECTION 17, 18, 19 AND 20 OF TOWNSHIP 26 SOUTH RANGE 27 EAST, EDDY COUNTY, NEW MEXICO.

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 18 TOWNSHIP 26 SOUTH RANGE 27 EAST AT A FOUND 2 INCH IRON ROD; **THENCE** NORTH 75 DEGREES 49 MINUTES 38 SECONDS EAST 2,205.27 FEET TO THE **POINT OF BEGINNING**, SAID **POINT OF BEGINNING** HAVING THE FOLLOWIING COORDINATES: X=531,893.37, Y= 377,040.25 (NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27).

THENCE SOUTH 01 DEGREES 22 MINUTES 16 SECONDS EAST 548.23 FEET TO A COMMON SECTION LINE OF SAID SECTIONS 18 AND 19 TOWNSHIP 26 SOUTH RANGE 27 EAST;

THENCE SOUTH 01 DEGREES 22 MINUTES 16 SECONDS EAST 13.02 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 05 SECONDS EAST 503.99 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 05 SECONDS EAST 1,327.75 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 05 SECONDS EAST 1,327.69 FEET TO A COMMON SECTION LINE OF SAID SECTIONS 19 AND 20 TOWNSHIP 26 SOUTH RANGE 27 EAST;

THENCE SOUTH 89 DEGREES 46 MINUTES 05 SECONDS EAST 1,271.38 FEET;

THENCE SOUTH 89 DEGREES 47 MINUTES 12 SECONDS EAST 50.70 FEET;

THENCE SOUTH 89 DEGREES 47 MINUTES 12 SECONDS EAST 250.36 FEET;

THENCE SOUTH 89 DEGREES 47 MINUTES 15 SECONDS EAST 290.34 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 46 SECONDS EAST 308.97 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 31 SECONDS EAST 301.64 FEET;

THENCE SOUTH 89 DEGREES 47 MINUTES 31 SECONDS EAST 170.80 FEET;

THENCE SOUTH 89 DEGREES 47 MINUTES 31 SECONDS EAST 127.39 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 50 SECONDS EAST 301.25 FEET;

THENCE SOUTH 89 DEGREES 47 MINUTES 09 SECONDS EAST 300.52 FEET;

THENCE SOUTH 89 DEGREES 46 MINUTES 47 SECONDS EAST 301.73 FEET;

THENCE SOUTH 86 DEGREES 35 MINUTES 26 SECONDS EAST 292.02 FEET;

THENCE SOUTH 86 DEGREES 35 MINUTES 26 SECONDS EAST 102.04 FEET;

THENCE SOUTH 85 DEGREES 07 MINUTES 38 SECONDS EAST 99.85 FEET;

THENCE NORTH 11 DEGREES 29 MINUTES 25 SECONDS WEST 56.97 FEET TO A COMMON SECTION LINE OF SAID SECTIONS 20 AND 17 TOWNSHIP 26 SOUTH RANGE 27 EAST;

THENCE NORTH 11 DEGREES 29 MINUTES 25 SECONDS WEST 71.61 FEET;

THENCE NORTH 10 DEGREES 22 MINUTES 52 SECONDS WEST 359.43 FEET;

THENCE NORTH 10 DEGREES 20 MINUTES 45 SECONDS WEST 299.43 FEET;

THENCE NORTH 10 DEGREES 17 MINUTES 33 SECONDS WEST 321.17 FEET;

THENCE NORTH 10 DEGREES 19 MINUTES 24 SECONDS WEST 68.34 FEET;

THENCE NORTH 10 DEGREES 19 MINUTES 24 SECONDS WEST 210.50 FEET;

THENCE NORTH 09 DEGREES 50 MINUTES 58 SECONDS WEST 23.46 FEET;

THENCE NORTH 09 DEGREES 50 MINUTES 58 SECONDS WEST 493.40 FEET TO THE **POINT OF ENDING**. SAID **POINT OF ENDING** HAVING THE FOLLOWING COORDINATES; X= 538,894.17, Y= 378,293.90 (NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27).

REFERENCE IS HEREBY MADE TO A SEPARATE PLAT OF THE SUBJECT PROPOSED ACCESS ROAD.

THE BEARINGS RECITED HEREON ARE ORIENTED TO NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27.

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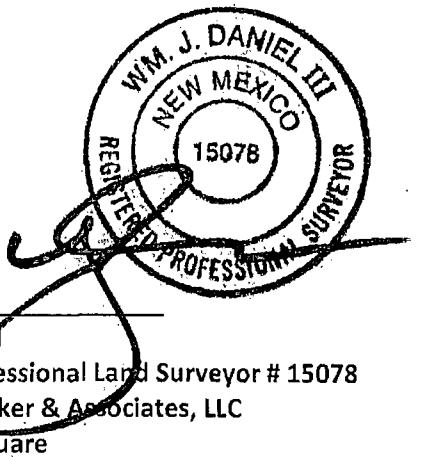

WM. J. Daniel III
Registered Professional Land Surveyor # 15078
C. H. Fenstermaker & Associates, LLC
135 Regency Square
Lafayette, LA 70508
337-237-2200

EXHIBIT "A"
METES AND BOUNDS DESCRIPTION OF A
PROPOSED ACCESS ROAD LOCATED IN
SECTIONS 22, 23 AND 24 T26S-R26E AND SECTION 19 T26S-R27E
EDDY COUNTY, NEW MEXICO

SKEEN 22 26 26 FED 7H ACCESS

SURVEY OF A PROPOSED ACCESS ROAD 16,099.60 FEET OR 975.73 RODS IN LENGTH CROSSING BUREAU OF LAND MANAGEMENT LANDS IN SECTIONS 22, 23 AND 24 OF TOWNSHIP 26 SOUTH RANGE 26 EAST AND SECTION 19 TOWNSHIP 26 SOUTH RANGE 27 EAST, EDDY COUNTY, NEW MEXICO.

COMMENCING AT THE SOUTHHEAST CORNER OF SAID SECTION 22 TOWNSHIP 26 SOUTH RANGE 26 EAST AT A FOUND 2 INCH IRON PIPE WITH CAP; **THENCE** NORTH 39 DEGREES 16 MINUTES 50 SECONDS WEST 737.81 FEET TO THE **POINT OF BEGINNING**, SAID **POINT OF BEGINNING** HAVING THE FOLLOWIING COORDINATES: X= 518,665.96, Y= 371,778.90 (NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 27).

THENCE SOUTH 89 DEGREES 20 MINUTES 18 SECONDS EAST 467.74 FEET TO A COMMON SECTION LINE OF SAID SECTIONS 22 AND 23 OF TOWNSHIP 26 SOUTH RANGE 26 EAST;

THENCE SOUTH 89 DEGREES 20 MINUTES 18 SECONDS EAST 189.41 FEET;

THENCE SOUTH 89 DEGREES 19 MINUTES 07 SECONDS EAST 598.78 FEET;

THENCE SOUTH 89 DEGREES 18 MINUTES 24 SECONDS EAST 68.93 FEET;

THENCE SOUTH 84 DEGREES 59 MINUTES 39 SECONDS EAST 147.81 FEET;

THENCE SOUTH 59 DEGREES 16 MINUTES 12 SECONDS EAST 381.95 FEET;

THENCE SOUTH 59 DEGREES 16 MINUTES 12 SECONDS EAST 197.51 FEET;

THENCE SOUTH 74 DEGREES 28 MINUTES 36 SECONDS EAST 428.77 FEET;

THENCE NORTH 69 DEGREES 18 MINUTES 24 SECONDS EAST 801.75 FEET;

THENCE NORTH 69 DEGREES 18 MINUTES 24 SECONDS EAST 158.84 FEET;

THENCE NORTH 87 DEGREES 45 MINUTES 07 SECONDS EAST 379.20 FEET;

THENCE SOUTH 71 DEGREES 31 MINUTES 19 SECONDS EAST 849.63 FEET;

THENCE SOUTH 71 DEGREES 31 MINUTES 19 SECONDS EAST 175.62 FEET;

THENCE SOUTH 87 DEGREES 26 MINUTES 35 SECONDS EAST 672.38 FEET;

THENCE SOUTH 84 DEGREES 40 MINUTES 34 SECONDS EAST 497.25 FEET TO A COMMON SECTION LINE OF SAID SECTIONS 23 AND 24 OF TOWNSHIP 26 SOUTH RANGE 26 EAST;

THENCE SOUTH 84 DEGREES 40 MINUTES 34 SECONDS EAST 99.72 FEET;

THENCE SOUTH 88 DEGREES 25 MINUTES 37 SECONDS EAST 405.19 FEET;

THENCE NORTH 66 DEGREES 33 MINUTES 43 SECONDS EAST 641.10 FEET;

THENCE NORTH 83 DEGREES 07 MINUTES 28 SECONDS EAST 239.31 FEET;

THENCE NORTH 83 DEGREES 07 MINUTES 28 SECONDS EAST 108.94 FEET;

THENCE NORTH 57 DEGREES 21 MINUTES 56 SECONDS EAST 204.48 FEET;

THENCE NORTH 77 DEGREES 22 MINUTES 23 SECONDS EAST 459.92 FEET;

THENCE SOUTH 83 DEGREES 50 MINUTES 31 SECONDS EAST 597.72 FEET;

THENCE SOUTH 62 DEGREES 24 MINUTES 25 SECONDS EAST 7.70 FEET;

THENCE SOUTH 62 DEGREES 24 MINUTES 25 SECONDS EAST 312.26 FEET;

THENCE SOUTH 79 DEGREES 01 MINUTES 34 SECONDS EAST 139.98 FEET;

THENCE NORTH 63 DEGREES 48 MINUTES 32 SECONDS EAST 443.65 FEET;

THENCE NORTH 85 DEGREES 51 MINUTES 03 SECONDS EAST 328.32 FEET;

THENCE SOUTH 87 DEGREES 32 MINUTES 20 SECONDS EAST 191.13 FEET;

THENCE SOUTH 87 DEGREES 32 MINUTES 20 SECONDS EAST 262.16 FEET;

THENCE SOUTH 89 DEGREES 15 MINUTES 57 SECONDS EAST 377.37 FEET;

THENCE NORTH 41 DEGREES 40 MINUTES 51 SECONDS EAST 231.36 FEET;

THENCE NORTH 33 DEGREES 37 MINUTES 09 SECONDS EAST 423.37 FEET;

THENCE NORTH 22 DEGREES 09 MINUTES 21 SECONDS EAST 256.70 FEET;

THENCE NORTH 22 DEGREES 09 MINUTES 21 SECONDS EAST 21.68 FEET;

THENCE NORTH 24 DEGREES 09 MINUTES 19 SECONDS EAST 464.81 FEET TO A COMMON SECTION LINE OF SAID SECTION 24 OF TOWNSHIP 26 SOUTH RANGE 26 EAST AND SECTION 19 TOWNSHIP 26 SOUTH RANGE 27 EAST;

THENCE NORTH 24 DEGREES 09 MINUTES 19 SECONDS EAST 31.08 FEET;

THENCE NORTH 21 DEGREES 11 MINUTES 57 SECONDS EAST 136.20 FEET;

THENCE NORTH 26 DEGREES 36 MINUTES 06 SECONDS EAST 197.99 FEET;

THENCE NORTH 50 DEGREES 13 MINUTES 01 SECONDS EAST 345.09 FEET;

THENCE NORTH 33 DEGREES 33 MINUTES 19 SECONDS WEST 121.64 FEET;

THENCE NORTH 34 DEGREES 18 MINUTES 12 SECONDS WEST 200.16 FEET;

THENCE NORTH 34 DEGREES 16 MINUTES 56 SECONDS WEST 83.98 FEET;

THENCE NORTH 34 DEGREES 16 MINUTES 56 SECONDS WEST 315.98 FEET;

THENCE NORTH 34 DEGREES 19 MINUTES 26 SECONDS WEST 32.94 FEET TO A COMMON SECTION LINE OF SAID SECTION 19 OF TOWNSHIP 26 SOUTH RANGE 27 EAST AND SECTION 24 TOWNSHIP 26 SOUTH RANGE 26 EAST;

THENCE NORTH 34 DEGREES 19 MINUTES 26 SECONDS WEST 42.89 FEET;

THENCE NORTH 34 DEGREES 22 MINUTES 14 SECONDS WEST 124.13 FEET;

THENCE NORTH 34 DEGREES 18 MINUTES 12 SECONDS WEST 199.64 FEET;

THENCE NORTH 34 DEGREES 24 MINUTES 42 SECONDS WEST 199.86 FEET;

THENCE NORTH 34 DEGREES 28 MINUTES 12 SECONDS WEST 210.74 FEET;

THENCE NORTH 33 DEGREES 40 MINUTES 03 SECONDS WEST 389.36 FEET;

THENCE NORTH 33 DEGREES 41 MINUTES 19 SECONDS WEST 92.19 FEET;

THENCE NORTH 33 DEGREES 41 MINUTES 19 SECONDS WEST 41.17 FEET;

THENCE NORTH 34 DEGREES 00 MINUTES 57 SECONDS WEST 1,094.08 FEET;

THENCE NORTH 34 DEGREES 00 MINUTES 57 SECONDS WEST 8.03 FEET TO THE **POINT OF ENDING**. SAID **POINT OF ENDING** HAVING THE FOLLOWING COORDINATES; X= 528,426.21, Y= 376,111.12 (NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE; NAD 27).

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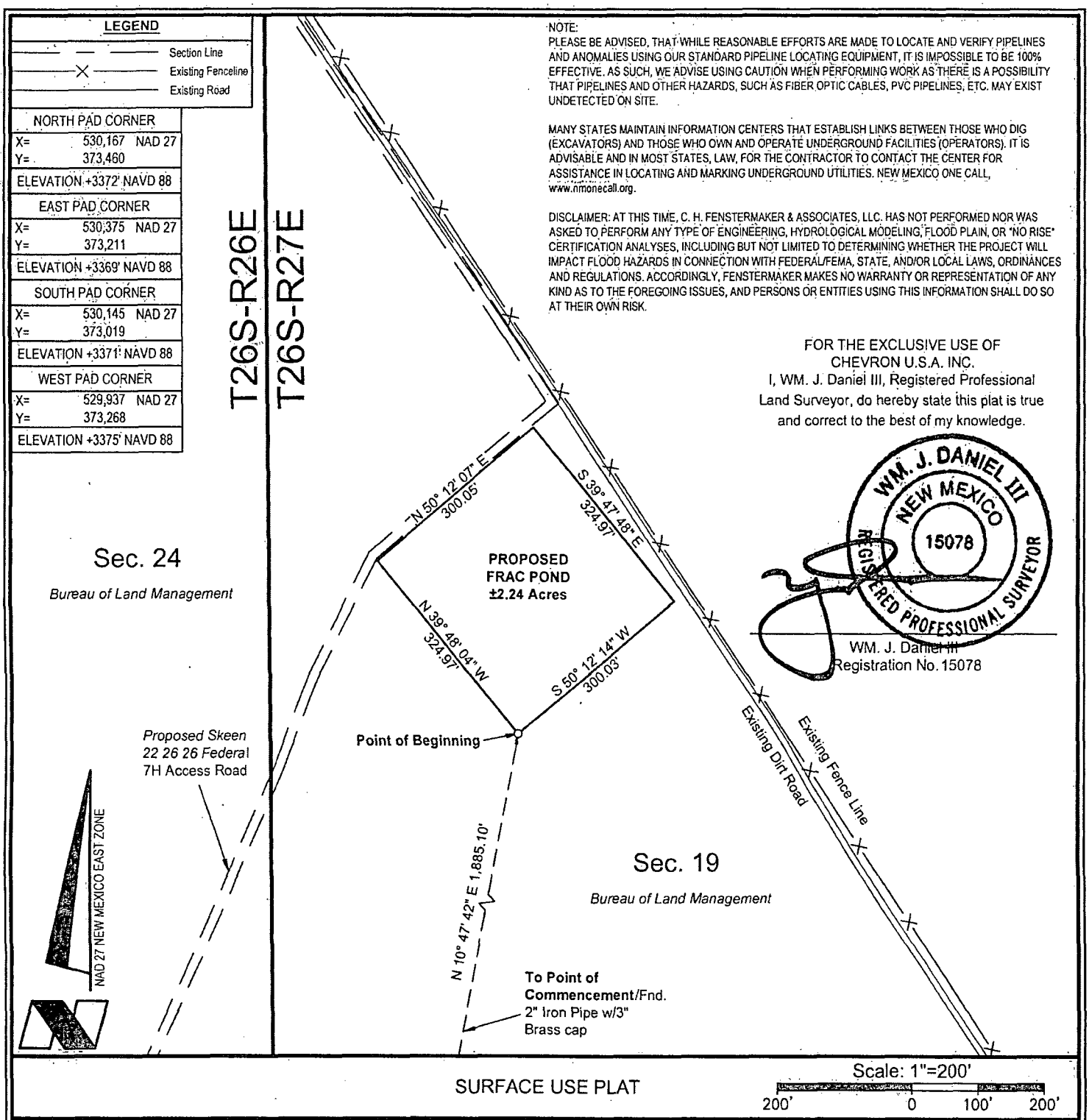
337-237-2200

Exhibit H



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WM. J. DANIEL III NEW MEXICO 15078 REGISTERED PROFESSIONAL SURVEYOR

WM. J. Daniel III
Registration No. 15078

SURFACE USE PLAT

Scale: 1"=200'
200' 0 100' 200'

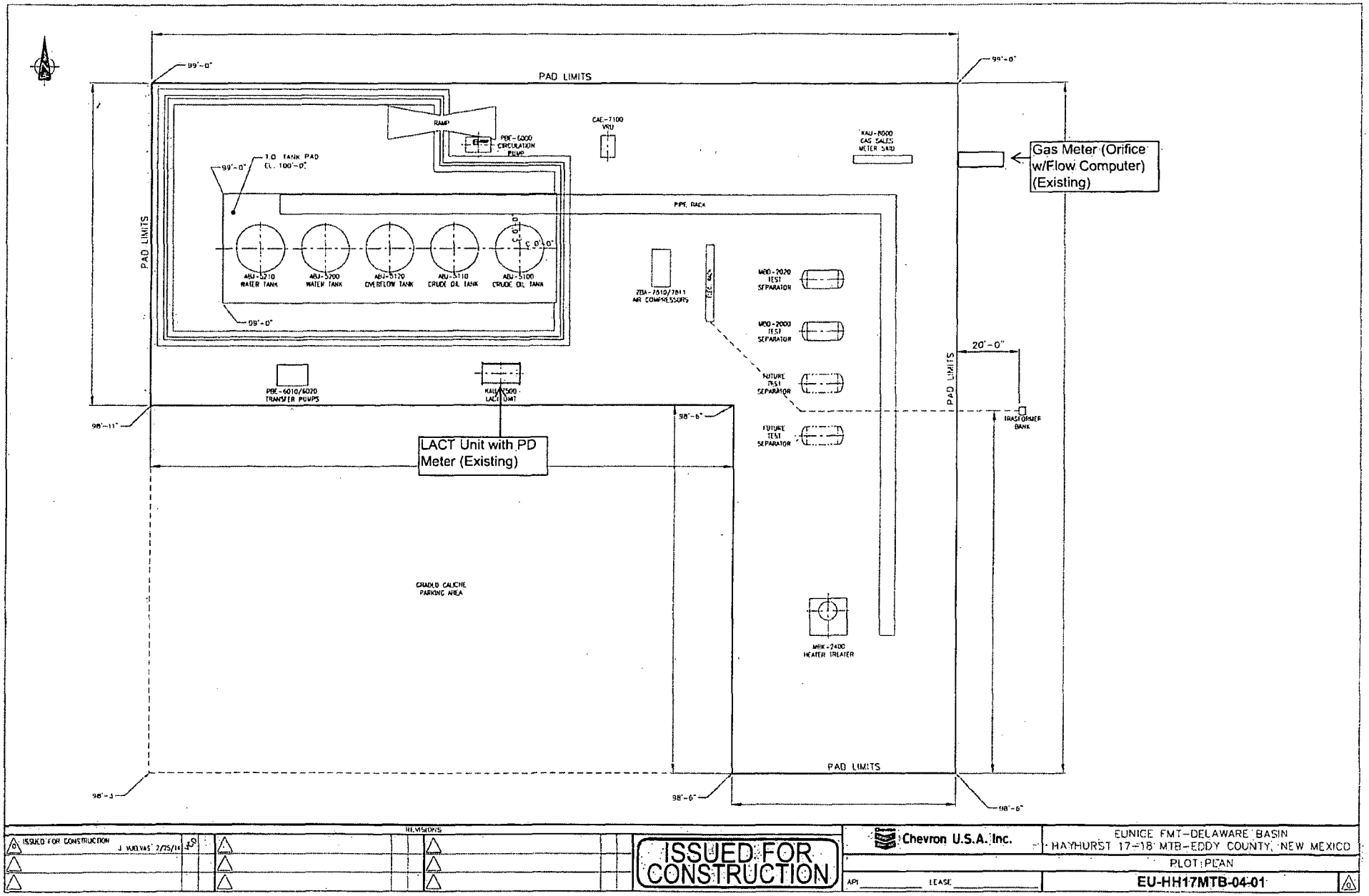
CHEVRON U.S.A. INC.

PROPOSED FRAC POND
SKEEN 22 26 26 FED COM NO. 7H WELL
SECTION 19, T26S-R27E
EDDY COUNTY, NEW MEXICO

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

DRAWN BY: BMO	REVISIONS		
PROJ. MGR.: GDG	No.	DATE:	REVISED BY:
DATE: MAY 06, 2014	No.	DATE:	REVISED BY:
FILENAME: T:\2013\2133015\DWG\SKEEN FRAC POND.dwg			

Exhibit C



REVISIONS					
0 ISSUED FOR CONSTRUCTION J. VARGAS 7/15/14			ISSUED FOR CONSTRUCTION	Chevron U.S.A. Inc.	EUNICE FMT-DELAWARE BASIN HAYHURST 17-18 MTB-EDDY COUNTY, NEW MEXICO
					PLOT PLAN
				API ____ LEASE ____	EU-HH17MTB-04-01 0

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

Skeen 23 26 26 Federal 6H
330' FSL and 660' FWL
Section 23, Township 26, Range 26
Eddy County, New Mexico

A. EXISTING ROADS/LEASE ROADS

Driving directions are from Malaga, New Mexico, south on the Pecos Hwy. U.S. 285 11.2 miles and turn west onto Whites City Road (CR 724) and go west approximately 8 miles and turn south approximately 5 miles to the location. The location is approximately 24 miles from the nearest town, which is Malaga, NM.

The proposed access road is 5 miles in length and 14' in travel way width with a maximum disturbance area of 20' will be used, and in accordance with guidelines set forth in the BLM Onshore Orders. No turnouts are expected.

Existing county and lease roads will be used to enter proposed access road.

The existing road is measured from White City Road.

25,915.45'	Total Length of New and Existing Roads
16,099.60'	Total Length of New and Existing Roads in S22, 23, and 24
+ 9,793.97'	Total Length of New and Existing Roads in S17, 18, 19, and 20
+ 22.48'	New access road from lease road to Skeen 23 Fed 6H well

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Location, access, and vicinity plats attached hereto. **See Exhibits A-1 to A-3**. Please see **Exhibit A2** for the location of the access road to the well pad. Please see **Exhibits G1 and G2** for the legal description of access road.

Chevron will maintain existing roads in a condition the same or better than before operations begin. All existing structures on the entire access route such as cattle guards, culverts, fences, etc. will be properly repaired or replaced if they are damaged or have deteriorated beyond practical use. All pot holes, drainages, road crowns, etc., will be repaired to maintain current road conditions. We will prevent and abate fugitive dust as needed, whether created by vehicular traffic, equipment operations, or high wind events. BLM written approval will be acquired before application of surfactants, binding agents, or other dust suppression chemicals on roadways.

B. NEW OR RECONSTRUCTED ACCESS ROADS

There will be approximately 3 miles of new access to be constructed.

All existing roads (previously improved) will be used "as is" with the exception of minor blading as needed.

Surface disturbance and vehicular travel will be limited to the approved access route. Any additional area will be approved in advance.

Road Width: 14 – 20 feet traveling surface.

Maximum Grade: Road gradient less than 8%

Crown Design: 2%

Turnouts will be installed along the access route as needed.

Ditch design: Drainage, interception and outlet.

Erosion Control: 6" rock under road.

Re-vegetation of Disturbed Area: All disturbed areas will be seeded by Broadcast or Drill and Crimp. Ground conditions will determine the method used.

Cattle guard(s) will be installed as needed.

Major Cuts and Fills: 2:1 Slope.

Surfacing material (road base derived from caliche or river rock) will be placed on the access road during construction. All surface disturbing activities will be discussed with and agreed to with the surface owner.

C. LOCATION OF EXISTING WELLS

All wells located within a 1-mile radius of the Surface & Bottom Hole Location. See Exhibit B.

D. LOCATION OF PRODUCTION FACILITIES

It is anticipated that production facilities will be located in the Southeast corner of Sec 23-26-26, east of the Skeen 23-26-26 Fed 6H well pad and oil to be sold at that tank battery.

The production line will be dual surface-laid 4" flex pipe with a working pressure less than 125 psig ran along existing disturbances.

Oil and gas measurement will be installed on this well location. **See Exhibit C.**

The permanent water disposal system will be determined prior to construction of any water transfer pipeline. Until permanent water takeaway is available, produced water will be hauled off location in trucks.

The permanent electrical supply route will be determined prior to construction of permanent distribution lines. A generator will be utilized until permanent power is connected.

E. LOCATION AND TYPES OF WATER SUPPLY

Chevron will utilize the fresh water holding pond in Section 19-26-27 for fresh water. Please see **Exhibit H** for the location of the frac pond.

During frac operations, Chevron will lay a temporary 12" flowline from the frac pond to the well. The flowline will follow within 5 feet along the access road from the frac pond to the well using the same route as the proposed production road depicted on **Exhibits A2 and G**.

Water will be obtained from a private water source into Section 19-26-27. The source provider and exact location have not been finalized at this time. Most likely, Chevron expects to transfer water from the source well or distribution center using a temporary 4" poly pipe transfer line. Chevron will submit a sundry notice at a later date, including a plat that depicts the proposed location of the temporary 4" poly pipe transfer line to fill the frac pond.

F. CONSTRUCTION MATERIALS

All construction materials will be used from the nearest Private, BLM, or State pit. All material (i.e. shale) will be acquired from private or commercial sources.

No construction material will be needed for well pad construction; subsurface spoil material will be utilized.

Surfacing material (caliche) will be purchased from a supplier having a permitted source of materials.

The entire location will be fenced with barb/woven wire.

G. METHODS FOR HANDLING WASTE DISPOSAL

A closed system will be utilized consisting of above ground steel tanks.

All wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in a state approved facility.

Disposal of cuttings: **Tervita, LLC**

Sewage and gray water before and after treatment are not allowed to be discharged to the ground. They are collected from storage tank(s) and portable potty at drilling and completions locations and transported by an approved transporter to be disposed of at a Chevron's select-for-use disposal facility.

H. ANCILLARY FACILITIES

None.

I. WELLSITE LAYOUT

The proposed site layout plat is attached showing the Ensign 767 orientation and equipment location. **See Exhibit D.**

In order to level the location, cut and fill will be required. Please see attached Well Location and Acreage Dedication Plat – Exhibits A-1 to A-4.

A locking gate will be installed at the site entrance.

Any fences cut will be repaired. Cattle guards will be installed, if needed.

J. PLANS FOR RECLAMATION OF THE SURFACE

In the Event of Production

Within 6 months, Chevron will contact BLM Surface Management Specialists to devise the best strategies to reduce the size of the location. Current plans for interim reclamation will consist of reclaiming the pad to +/-50 feet outside the anchors, or approximately 200 x 200 feet. **See Exhibit E.**

In addition, the following procedures shall be followed:

i. Caliche will be removed from reclaimed areas to increase the success of revegetation. Removed caliche that is free of contaminants may be reused for future projects.
ii. The portions of the cleared well site not needed for operational and safety purposes will be re-contoured to a final or intermediate contour that blends with the surrounding

topography as much as possible. Sufficient level area remains for setup of a workover rig and to park vehicles/equipment.

iii. All surface soil materials (topsoil) are to be removed from the entire cut and fill area and temporarily stockpiled for reuse during interim reclamation. Topsoil will be respread over areas not needed for all-weather operations to ensure successful revegetation. Any topsoil pile set aside should be revegetated to prevent it from eroding and to help maintain its biological viability.

iv. After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture advised by the BLM. The seed mix will be evenly and uniformly distributed over the disturbed area. Seeding will be accomplished by using a drilling or, when drilling is not available, by broadcasting the seed. When broadcasting the seed, the amount of seed shall be doubled.

v. Weed control will be used on disturbed land, including the roads, pads, associated pipeline corridor, and adjacent land affected by the operations. There shall be no primary or secondary noxious weeds in the seed mixture used for reseeding.

In the Event of a Dry Hole/Final Reclamation

Upon final abandonment of the well, a new reclamation plan will be submitted with the Notice of Intent to Abandon (NIA) or Subsequent Report Plug and Abandon (SRA) using the Sundry Notices and Reports on Wells Form 3160-5. The location will be restored to as near as original condition as possible. Reclamation of the surface shall be done in strict compliance with the existing New Mexico Oil Conservation Division regulations and BLM regulations.

In addition, the following procedures shall be followed:

i. Caliche material from the well pad and access road will be removed and utilized to re-contour to a final contour that blends with the surrounding topography as much as possible. Any caliche material not used will be utilized to repair roads within the lease.

ii. On sloped ground, the topsoil and interim vegetation will be restripped from portions of the site that are not at the original contour, the well pad recontoured, and the topsoil will be respread over the entire disturbed.

iii. Topsoil will be distributed over the reclamation area and cross ripped to control erosion

iv. After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture advised by the BLM. The seed mix will be evenly and uniformly distributed over the disturbed area. Seeding will be accomplished by using a drilling or, when drilling is not available, by broadcasting the seed. When broadcasting the seed, the amount of seed shall be doubled.

v. Weed control will be used on disturbed land, including the roads, pads, associated pipeline corridor, and adjacent land affected by the operations. There shall be no primary or secondary noxious weeds in the seed mixture used for reseeding.

K. SURFACE TENANT

Owen Carleton
Po Box 14
Malaga NM. 88263
575-361-9989

ROAD OWNERSHIP

All access roads are located on **Federal** lands.

L. ADDITIONAL INFORMATION

Class III cultural resource inventory report was prepared by Boone Arch Services of NM, LLC (506 E. Chapman Rd, Carlsbad, NM 88220) for the proposed location. A copy of the report has been sent to the BLM office under separate cover and is also attached for reference.

M. CHEVRON REPRESENTATIVES

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Summary of Exhibits

Exhibit A1	Skeen 23 26 26 Federal 6H C102 cert
Exhibit A2	Skeen 23 26 26 Federal 6H SUP cert
Exhibit A3	Skeen 23 26 26 Federal 6H vicinity map
Exhibit B	1 mile radius of surface and bottom hole locations.
Exhibit C	Facility Pad Diagram 250' x 190'
Exhibit D	Wellsite layout
Exhibit E	Area to be reclaimed
Exhibit F	Individual survey plat of the offsite production facility in Section 23 26 26
Exhibit G	Survey plat of access road
Exhibit G1	Legal Description of access road
Exhibit G2	Legal Description of access road
Exhibit H	Location of the frac pond and access road to offsite facility

PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Chevron USA Inc
LEASE NO.:	NM113943
WELL NAME & NO.:	6H-Skeen 23 26 26 Federal
SURFACE HOLE FOOTAGE:	330'/S & 660'/W
BOTTOM HOLE FOOTAGE	330'/N & 660'/W
LOCATION:	Sec. 23, T. 26 S., R. 26 E.
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

VI. SPECIAL REQUIREMENTS

Cave and Karst

** Depending on location, additional Drilling, Casing, and Cementing procedures may be required by engineering to protect critical karst groundwater recharge areas.

Cave/Karst Surface Mitigation

The following stipulations will be applied to minimize impacts during construction, drilling and production.

Construction:
In the advent that any underground voids are opened up during construction activities, construction activities will be halted and the BLM will be notified immediately.

No Blasting:
No blasting will be utilized for pad construction. The pad will be constructed and leveled by adding the necessary fill and caliche.

Pad Berming:

The entire perimeter of the well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad.

- The compacted berm shall be constructed at a minimum of 12 inches high with impermeable mineral material (e.g. caliche).
- No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- The topsoil stockpile shall be located outside the bermed well pad.
- Topsoil, either from the well pad or surrounding area, shall not be used to construct the berm.
- No storm drains, tubing or openings shall be placed in the berm.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.
- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.
- Any access road entering the well pad shall be constructed so that the integrity of the berm height surrounding the well pad is not compromised. (Any access road crossing the berm cannot be lower than the berm height.)

Tank Battery Liners and Berms:
Tank battery locations and all facilities will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank.

Leak Detection System:

A method of detecting leaks is required. The method could incorporate gauges to measure loss, situating values and lines so they can be visually inspected, or installing electronic sensors to alarm when a leak is present. Leak detection plan will be submitted to BLM for approval.

Automatic Shut-off Systems:
Automatic shut off, check values, or similar systems will be installed for pipelines and tanks to minimize the effects of catastrophic line failures used in production or drilling.

Cave/Karst Subsurface Mitigation

The following stipulations will be applied to protect cave/karst and ground water concerns:

Rotary Drilling with Fresh Water:
Fresh water will be used as a circulating medium in zones where caves or karst features are expected. SEE ALSO: Drilling COAs for this well.

Directional Drilling:
Kick off for directional drilling will occur at least 100 feet below the bottom of the cave occurrence zone. SEE ALSO: Drilling COAs for this well.

Lost Circulation:
ALL lost circulation zones from the surface to the base of the cave occurrence zone will be logged and reported in the drilling report.

Regardless of the type of drilling machinery used, if a void of four feet or more and circulation losses greater than 70 percent occur simultaneously while drilling in any cave-bearing zone, the BLM will be notified immediately by the operator. The BLM will assess the situation and work with the operator on corrective actions to resolve the problem.

Abandonment Cementing:
Upon well abandonment in high cave karst areas additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

Pressure Testing:
Annual pressure monitoring will be performed by the operator on all casing annuli and reported in a sundry notice. If the test results indicated a casing failure has occurred, remedial action will be undertaken to correct the problem to the BLM's approval.

VII. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (below six inches) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing
The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

G. ON LEASE ACCESS ROADS

Road Width
The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of

surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

Surfacing
Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

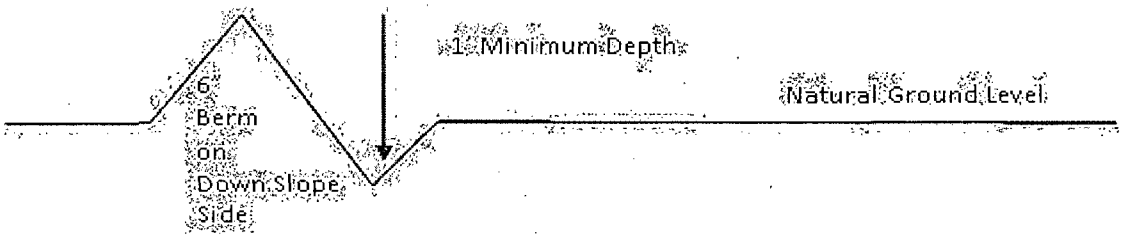
Ditching
Ditching shall be required on both sides of the road.

Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage
Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: $\frac{400'}{4\%} + 100' = 200'$ lead-off ditch interval

Cattleguards

An appropriately sized cattleguard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattleguards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguards that are in place and are utilized during lease operations.

Fence Requirement

Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road
3. Redistribute topsoil
4. Revegetate slopes

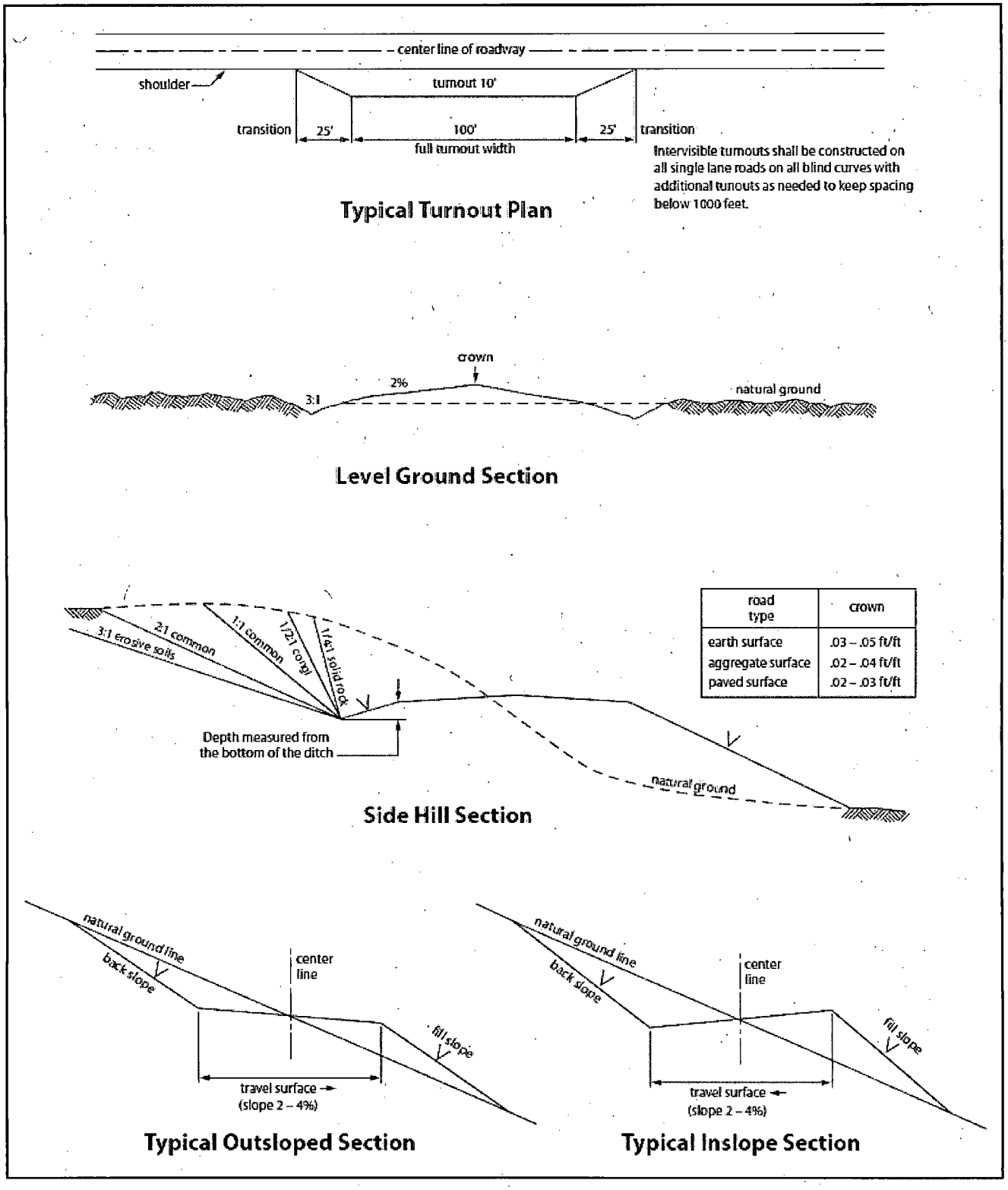


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VIII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ **Eddy County**
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

1. **Although Hydrogen Sulfide has not been reported in the area, it is always a potential hazard. If Hydrogen Sulfide is encountered, report measured amounts and formations to the BLM.**

2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a "Major" violation.**

3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.

4. **The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The top and bottom of Salt are to be recorded on the Completion Report.**

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. IF OPERATOR DOES NOT HAVE THE WELL SPECIFIC CEMENT DETAILS ONSITE PRIOR TO PUMPING THE CEMENT FOR EACH CASING STRING, THE WOC WILL BE 30 HOURS. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
Possible water flows in the Castile and Delaware.
Possible lost circulation in the Salado, Delaware, and Bone Spring.

HIGH CAVE/KARST - A MINIMUM OF TWO CASING STRINGS CEMENTED TO SURFACE IS REQUIRED IN HIGH CAVE/KARST AREAS. THE CEMENT MUST BE IN A SOLID SHEATH. THEREFORE, ONE INCH OPERATIONS ARE NOT SUFFICIENT TO PROTECT CAVE KARST RESOURCES. A CASING DESIGN THAT HAS A ONE INCH JOB PERFORMED DOES NOT COUNT AS A SOLID SHEATH.

1. The **13-3/8** inch surface casing shall be set at approximately **400** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 feet above the salt.**

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

    b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.

    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing, which shall be set at approximately **1900** feet, is:

   ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

   ☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

3. **Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.**

   a. **Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.**
   b. **If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.**

c. **Manufacturer representative shall install the test plug for the initial BOP test.**
d. **Operator shall perform the intermediate casing integrity test to 70% of the casing burst. This will test the multi-bowl seals.**
e. **If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.**

4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

   a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

   b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.

   c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

   d. The results of the test shall be reported to the appropriate BLM office.

   e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**

   f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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IX. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities
Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Exclosure Netting (Open-top Tanks)
Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

Chemical and Fuel Secondary Containment and Exclosure Screening
The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

Open-Vent Exhaust Stack Exclosures
The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

Containment Structures
Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the

largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

Painting Requirement
All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, **Shale Green** from the BLM Standard Environmental Color Chart (CC-001: June 2008).

B. PIPELINES
The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:

a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
b. Activities of other parties including, but not limited to:
    (1) Land clearing.

(2) Earth-disturbing and earth-moving work.
(3) Blasting.
(4) Vandalism and sabotage.

c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars ($1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided herein.

6. All construction and maintenance activity will be confined to the authorized right-of-way width of **20** feet. If the pipeline route follows an existing road or buried pipeline right-of-way, the surface pipeline must be installed no farther than 10 feet from the edge of the road or buried pipeline right-of-way. If existing surface pipelines prevent this distance, the proposed surface pipeline must be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity will be confined to existing roads or right-of-ways.

7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.

8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline will be "snaked" around hummocks and dunes rather then suspended across these features.

9. The pipeline shall be buried with a minimum of **24** inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

16. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, powerline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

17. Surface pipelines must be less than or equal to 4 inches and a working pressure below 125 psi.

C. FRAC POND

The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this permit.

2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated.

3. Required Standard Conditions of Approval:

a. Notification
Contact the Supervisory Environmental Protection Specialist, Jim Amos, at 575-234-5909 at least 24 hours prior to starting construction.

b. Freshwater Only
The frac pond will only be authorized to contain freshwater and testing of water quality is required. Additives are not allowed without consent of the authorized officer in writing.

c. Contamination
If at any time the water in the frac pond becomes polluted with salts or other contaminants, use of the frac pond will cease and desist, and all liquids will be removed from the frac pond and disposed of properly. The operator will preclude releases of oil into open pits. The operator must remove any accumulation of oil, condensate, or contaminant in a pit within 48 hours of discovery.

d. Authorized Disturbance
Confine all construction and maintenance activity to the approved authorized area applied for in the application.

e. Facilities
Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations. Grey-water, sewage, and trash shall be removed from the site and disposed of properly at a state approved facility.

f. Escape Ramps
The operator will construct and maintain frac ponds to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in frac ponds. Escape ramps must be installed at every corner of the frac pond and in the center of each side if that side exceeds 100 feet in length. Escape ramps must be in contact with the side of the frac pond, bottom of the frac pond, and the top of the frac pond berm. Escape ramps cannot be made of metal and cannot be steeper than a 3:1 slope (Horizontal Distance: Vertical Distance) or

30% slope. (*Examples of escape ramps: 12" wide wooden planks wrapped in matting, felt lining, etc.*)

g. Frac Pond Pipelines
Temporary pipelines flowing from the frac pond to the target well will be laid along existing roadways unless an exception has been granted by the authorized officer in writing.

h. Mineral Material from Excavation
Mineral materials extracted during construction of the frac pond will be stored on-location and/or used for constructing the frac pond.

i. Frac Pond Liner
The frac pond will be lined with at least a 30 mil. plastic liner. The plastic lining will be removed prior to final abandonment.

j. Topsoil Stockpile
The operator shall strip at least the top 6 inches of soil (root zone) from the entire frac pond area and stockpile the topsoil approximately 25 feet outside the bermed perimeter of the pond in a low profile manner, reasonably protected from wind and water erosion. Topsoil shall not be used for constructing the frac pond. The topsoil will be used for final reclamation purposes only.

k. Frac Pond Fence
The operator will install and maintain exclosure fencing on all sides of the frac pond to prevent access to public, livestock, and large forms of wildlife. The fence shall be installed at the base of the berm and never on top of the berm. Construction of the fence shall consist of steel and/or wooden posts set firmly into natural ground. Hog panel or chain-link fencing must be used as the fence and tied securely to the fence posts. Barbed-wire fencing or electric fences shall not be used. The fence height shall not be shorter than six (6) feet. The erected fence shall be maintained in adequate condition until the frac pond is reclaimed.

l. Erosion Prevention
Install earthen erosion-control structures as are suitable for the specific terrain and soil conditions.

m. Reclamation Start

I. Reclamation efforts will commence immediately after the frac pond is no longer needed for the purpose of completing wells.
II. Within 3 months of completion of frac operations on associated wells, all earthwork and final reclamation must be completed. This includes reclaiming and/or removal of:
    i. Any roads approved for use with the pond
    ii. Surface water lines
    iii. Tanks, pumps, fencing etc.

Requirements for Operations and Final Reclamation:

4. If, during any phase of the construction, operation, maintenance, or termination of the frac pond, any pollutant should be released from the contaminated frac pond, the control and total removal, disposal, and cleaning up of such pollutant, wherever found, shall be the responsibility of holder, regardless of fault.

Upon failure of holder to control, dispose of, or clean up such discharge, or to repair all damages resulting there-from, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

6. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

7. After all disturbed areas have been satisfactorily contoured and prepared for seeding the location needs to be revegetated with the seed mixture provided. Seeding may need to be repeated until revegetation is successful. Operators shall contact Jim Amos, Supervisor, Environmental Protection – (575)234-5909, **prior** to beginning surface reclamation operations.

D. FRAC TEMPORY LINES

Maintain a copy of your temporary permit and your approved route diagram on location. BLM personnel may request to see a copy of your permit during construction to ensure compliance with all conditions of approval.

Holder agrees to comply with the following conditions of approval to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this permit.

2. Standard Conditions of Approval:

- Pipelines must be removed within 30-45 days from this route unless granted in writing by the authorized officer.
- Pipelines will be placed not farther than 5 to 10 feet off the edge of existing oil and gas maintained roads or other maintained roads.
- Areas impacted (disturbed greater than vegetation compaction) by your project will require full reclamation.
- Pipelines will be empty before disassembly. Flow water back to the designated holding area.
- Do not restrict traffic on existing roads. Place ramps where needed on existing access roads.
- All pumps and other equipment must be placed on existing surfaced areas (pads, roads, etc.).

3. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer.

4. Special Stipulations:

If the pipeline route is approved to cross open country, the pipe will be hand-carried and hand-laid along the approved route.

X. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road

repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

X. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Seed Mixture 4, for Gypsum Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Alkali Sacaton (*Sporobolus airoides*)	1.0
DWS Four-wing saltbush (*Atriplex canescens*)	5.0

DWS: DeWinged Seed

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed