

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

HOBBS OCD

SEP 20 2012
OCD Hobbs

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010.

5 Lease Serial No.
NMLC 0069048

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.
Elliott Federal 5 38680

9. API Well No.
30-025- 40761

10. Field and Pool, or Exploratory
Wantz; Abo 62700

11. Sec., T. R. M. or Blk. and Survey or Area
Sec 9 T21S R38E

12. County or Parish
Lea

13. State
NM

1a. Type of work: ☒ DRILL ☐ REENTER

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

2. Name of Operator SandRidge Expl. & Prod., LLC

3a. Address 123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

3b. Phone No. (include area code)
405-429-6518

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

At surface 1175' FSL & 645' FEL, Lot 4

At proposed prod. zone 700' FSL & 1167' FEL, Lot 4

UNORTHODOX
LOCATION

14. Distance in miles and direction from nearest town or post office*
Approximately 5 miles NE of Eunice, NM

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest dig, unit line, if any)

645'

16. No. of acres in lease
170.69

17. Spacing Unit dedicated to this well
40 ac

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

100'

19. Proposed Depth
MD: 8144'
TVD: 8100'

20. BLM/BIA Bond No. on file
Nationwide: B005997
Statewide: B006211

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3564' GL

22. Approximate date work will start*
09/01/2012

23. Estimated duration
15 days

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

Spence Laird

Name (Printed/Typed)
Spence Laird

Date
07/20/2012

Title
Regulatory Analyst

Approved by (Signature)

/s/ Don Peterson

Name (Printed/Typed)

/s/ Don Peterson

Date

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)

Capitan Controlled Water Basin

KZ 09/24/12

Approval Subject to General Requirements
& Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

SEP 25 2012

DRILLING PROGRAM

SandRidge Exploration and Production, LLC

Elliott Federal #5

Surface Location: 1175' FSL, 645' FEL, Lot 4, Sec 9, T21S R38E, Lea County, New Mexico

Bottom Hole Location: 700' FSL, 1167' FEL, Lot 4, Sec 9 T21S R38E, Lea County, New Mexico

1. Geologic Name of Surface Formation:

Quaternary

2. Estimated KB Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a. Ogallala	100'	Water
b. Rustler	1609'	Barren
c. Top of Salt	1674'	
d. Base of Salt	2789'	
e. Tansil	2790'	Barren
f. Yates	2922'	Oil/Gas
g. Seven Rivers	3165'	Barren
h. Queen	3496'	Barren
i. Grayburg	4090'	Oil
j. San Andres	4305'	Oil
k. Glorieta	5566'	Oil
l. Paddock	5690'	Barren
m. Blinbry	6025'	Oil
n. Tubb	6618'	Oil
o. Drinkard	6821'	Oil
p. Abo	7237'	Oil
q. Total Depth	8100' TVD	
	8144' MD	

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 8-5/8" casing @ 1644' and circulating cement back to the surface. The Abo intervals will be isolated by setting 5-1/2" casing to total depth and circulating cement to the surface.

3. Casing Program:

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>N/U</u>
17"	0-80'	14"	0-80'	50#			
12 -1/4"	80-1644'	8-5/8"	0-1644'	24#	STC	J-55	New
7-7/8"	1644-8144'	5-1/2"	0-8144'	17#	LTC	L-80	New

Design Parameter Factors:

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
8-5/8"	1.78	3.83	6.18
5-1/2"	1.49	1.84	2.45

Casing load assumptions for new 8-5/8" J-55 24# casing:

Collapse: Fluid inside casing is evacuated. A full column of 9 ppg fluid is present in the annulus.

Burst: Fluid in the annulus is evacuated and a full column of 9 ppg fluid is present in the casing.

Tension: All fluid inside wellbore is evacuated

Casing load assumptions for new 5 1/2" L-80 17# casing:

Collapse: Fluid inside casing is evacuated. A full column of 10 ppg fluid is present in the annulus.

Burst: Surface treating pressures will not exceed 4200 psi exposure to the casing.

Tension: All fluid inside wellbore is evacuated

4. Cement Program:

a. 14" Conductor

Ready-mix concrete

b. 8 -5/8" Surface

Lead: 535 sacks (100% excess) Class C (65:35) Poz Cement ECONOCЕМ™ System +3% lbm/sk Poly-E-Flake, 12.8 ppg, Yield: 1.86 ft³/sk, Mixing Fluid: 9.94 gal/sk.

Tail: 270 sacks (100% excess) Class C Cement Halcem™ System+ 2% Calcium Chloride+ 0.125 lbm/sk Poly-E-Flake, 14.8 ppg, Yield:1.35 ft³/sk, Mixing Fluid 6.37 gal/sk. **TOC @ surface.**

c. 5 1/2" Production *See COA*

Lead: 400 sacks (25% excess) Class H (50:50) Poz EXTENDACЕМ™ System + 5 #/sk Gilsonite, 12.2 ppg, Yield 2.26 ft³/sk, Mixing fluid:12.07 gal/sk.

Tail: 710 sacks (25% excess) Class H (50:50) Poz Versacem™ System + 0.3% Halad®-9 + 3% Salt + 5 lbm/sk Gilsonite, 14.4 ppg, Yield: 1.25 ft³/sk, Mixing fluid: 5.06 gal/sk. **TOC @ surface.**

Final volumes will be determined using caliper log and 25% excess.

5. Pressure Control Equipment:

BOP DESIGN: The BOP system used to drill the production hole will consist of an 11" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the surface casing shoe.

The pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These tests will be logged into the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a Kelly cock, floor safety valve, choke lines, and choke manifold rated at 3000 psi WP.

6. MUD PROGRAM SUMMARY:

DEPTH (TVD)	HOLE SIZE	CASING SIZE	MUD WT. (ppg)	VISCOSITY (cP)	FLUID LOSS (cc)
0 - 1,644'	12-1/4"	8-5/8"	8.6 – 9.4 FW	31 – 33	NC
1,644' - 4,100'	7-7/8"	5-1/2"	10 Brine	28 – 29	NC
4,100' – 6,300'	7-7/8"	5-1/2"	10 Brine	30 – 31	15 – 10
6,300' – 8,100'	7- 7/8"	5-1/2"	10 Brine	32 – 38	10 – 6

7. Auxiliary Well Control and Monitoring Equipment:

- A Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- Hydrogen Sulfide detection equipment will be in operation prior to spud and throughout the entire drilling process until total depth is reached. Breathing equipment will be on location prior to spud and until total depth is reached.

8. Logging, Coring, and Testing Program: *See COA*

Gamma Ray / Neutron – Surface to TD (8144' MD)

Spectral Gamma Ray, Density / Resistivity – Surface casing to TD (8144' MD)

9. Potential Hazards:

No abnormal pressures or temperatures are expected. If H₂S is encountered, the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4212 psi and estimated BHT 149 °F. H₂S monitoring equipment will be on location 24/7 during drilling operations.

10. Anticipated Starting Date and Duration of Operations:

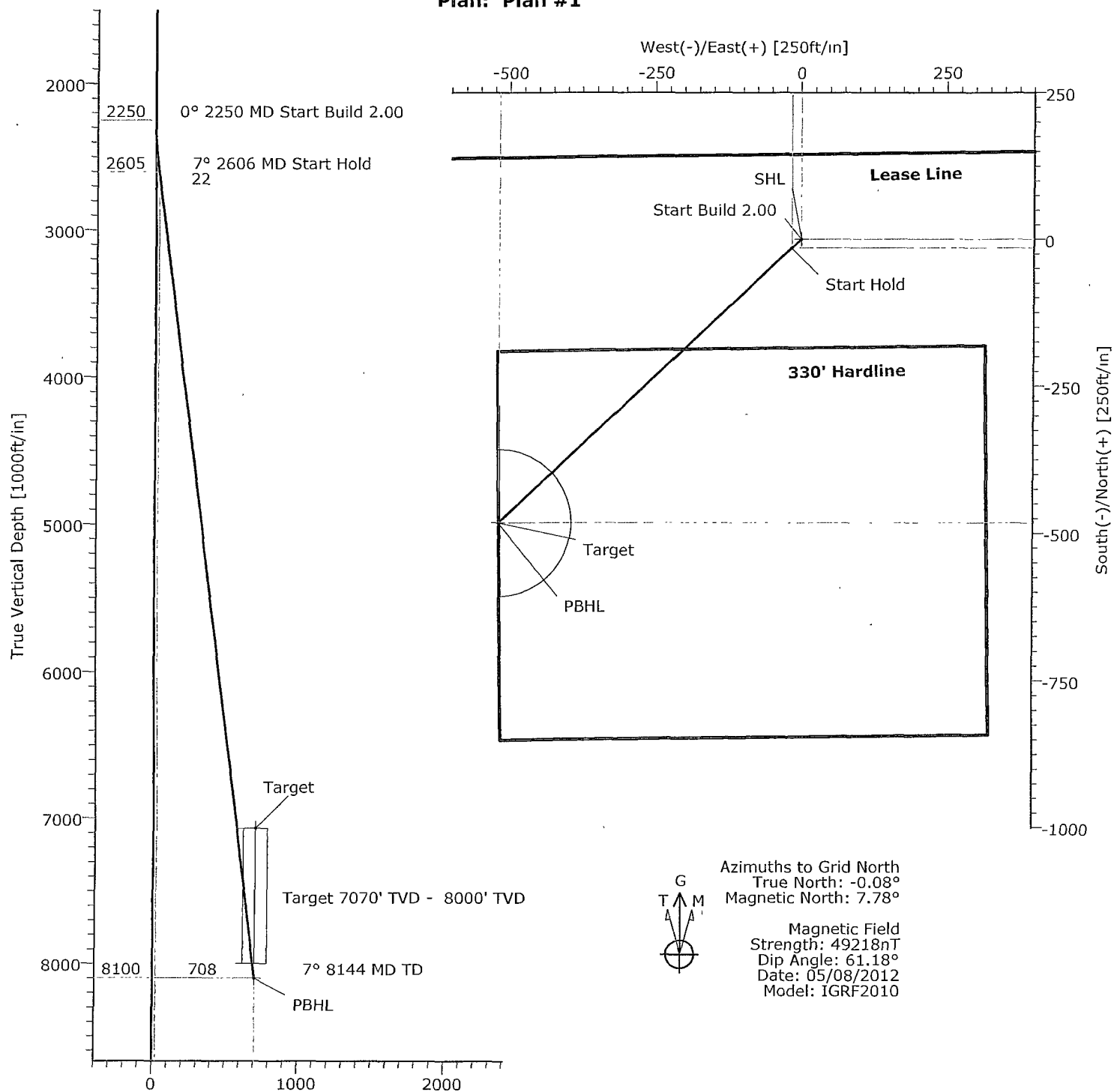
- Location construction will begin after the BLM and NMOCD have approved the APD. Anticipated spud date will be as soon after approval as rig is available. Move in operations and drilling is expected to take 15 days.
- If production casing is run, an additional 30 days will be required to complete well and construct surface facilities and/or lay flow lines in order to place the well on production.



SANDRIDGE ENERGY
 Field: Lea County NME Nad 27
 Site: Elliott Federal #5
 Well: #5
 Wellpath: Original Hole
 Plan: Plan #1



Precision
 Directional Services



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SHL	0.00	0.00	0.00	890682.60	544074.80	33°26'54.227N	104°11'19.813W	Point
Target	7070.00	-482.40	-517.89	890200.20	543556.91	33°26'49.461N	104°11'25.933W	Ellipse (125x125)
PBHL	8100.00	-482.40	-517.89	890200.20	543556.91	33°26'49.461N	104°11'25.933W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	227.03	0.00	0.00	0.00	0.00	0.00	0.00	
2	2250.00	0.00	227.03	2250.00	0.00	0.00	0.00	0.00	0.00	
3	2605.64	7.11	227.03	2604.72	-15.03	-16.13	2.00	227.03	22.05	
4	8143.53	7.11	227.03	8100.00	-482.40	-517.89	0.00	0.00	707.76	PBHL

PRECISION DIRECTIONAL SERVICES, INC.

Precision Office: 713-435-6250

Precision Directional Services, Inc

Planning Report

Company: SANDRIDGE ENERGY		Date: 05/08/2012		Time: 09:07:08		Page: 1	
Field: Lea County NME Nad 27		Co-ordinate(NE) Reference: Well: #5, Grid North					
Site: Elliott Federal #5		Vertical (TVD) Reference: 3564' GL + 13' KB 3577.0					
Well: #5		Section (VS) Reference: Well (0.00N,0.00E,227.03Azi)					
Wellpath: Original Hole		Plan:		Plan #1			

Field: Lea County NME Nad 27 Lea County, New Mexico	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Elliott Federal #5 Section 9, Township 21-S, Range 38-E Lea County, New Mexico			
Site Position:	Northing: 890682.60 ft	Latitude: 33 26 54.227 N	
From: Map	Easting: 544074.80 ft	Longitude: 104 11 19.813 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3564.00 ft		Grid Convergence: 0.08 deg	

Well: #5		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 890682.60 ft	Latitude: 33 26 54.227 N	
+E/-W 0.00 ft	Easting: 544074.80 ft	Longitude: 104 11 19.813 W	
Position Uncertainty: 0.00 ft			

Wellpath: Original Hole		Drilled From: Surface	
Current Datum: 3564' GL + 13' KB	Height: 3577.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 05/08/2012		Above System Datum: Mean Sea Level	
Field Strength: 49218 nT		Declination: 7.86 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 61.18 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	227.03

Plan: Plan #1		Date Composed: 05/08/2012	
Principal: No		Version: 1	
		Tied-to: From Surface	

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	227.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2250.00	0.00	227.03	2250.00	0.00	0.00	0.00	0.00	0.00	0.00	
2605.64	7.11	227.03	2604.72	-15.03	-16.13	2.00	2.00	0.00	227.03	
8143.53	7.11	227.03	8100.00	-482.40	-517.89	0.00	0.00	0.00	0.00	PBHL

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2000.00	0.00	227.03	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	227.03	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	227.03	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2250.00	0.00	227.03	2250.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	1.00	227.03	2300.00	-0.30	-0.32	0.44	2.00	2.00	0.00	
2400.00	3.00	227.03	2399.93	-2.68	-2.87	3.93	2.00	2.00	0.00	
2500.00	5.00	227.03	2499.68	-7.43	-7.98	10.90	2.00	2.00	0.00	
2600.00	7.00	227.03	2599.13	-14.55	-15.63	21.35	2.00	2.00	0.00	
2605.64	7.11	227.03	2604.72	-15.03	-16.13	22.05	2.00	2.00	0.00	
2700.00	7.11	227.03	2698.36	-22.99	-24.68	33.73	0.00	0.00	0.00	
2800.00	7.11	227.03	2797.59	-31.43	-33.74	46.11	0.00	0.00	0.00	
2900.00	7.11	227.03	2896.82	-39.87	-42.80	58.49	0.00	0.00	0.00	
3000.00	7.11	227.03	2996.05	-48.31	-51.86	70.88	0.00	0.00	0.00	
3100.00	7.11	227.03	3095.28	-56.75	-60.92	83.26	0.00	0.00	0.00	
3200.00	7.11	227.03	3194.51	-65.19	-69.98	95.64	0.00	0.00	0.00	
3300.00	7.11	227.03	3293.74	-73.63	-79.04	108.02	0.00	0.00	0.00	
3400.00	7.11	227.03	3392.97	-82.07	-88.10	120.41	0.00	0.00	0.00	

Precision Directional Services, Inc

Planning Report

Company: SANDRIDGE ENERGY
Field: Lea County NME Nad 27
Site: Elliott Federal #5
Well: #5
Wellpath: Original Hole

Date: 05/08/2012
Co-ordinate(NE) Reference: Well: #5, Grid North
Vertical (TVD) Reference: 3564' GL + 13' KB 3577.0
Section (VS) Reference: Well (0.00N,0.00E,227.03Azi)
Plan: Plan #1

Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3500.00	7.11	227.03	3492.20	-90.51	-97.17	132.79	0.00	0.00	0.00	
3600.00	7.11	227.03	3591.44	-98.95	-106.23	145.17	0.00	0.00	0.00	
3700.00	7.11	227.03	3690.67	-107.39	-115.29	157.55	0.00	0.00	0.00	
3800.00	7.11	227.03	3789.90	-115.83	-124.35	169.93	0.00	0.00	0.00	
3900.00	7.11	227.03	3889.13	-124.26	-133.41	182.32	0.00	0.00	0.00	
4000.00	7.11	227.03	3988.36	-132.70	-142.47	194.70	0.00	0.00	0.00	
4100.00	7.11	227.03	4087.59	-141.14	-151.53	207.08	0.00	0.00	0.00	
4200.00	7.11	227.03	4186.82	-149.58	-160.59	219.46	0.00	0.00	0.00	
4300.00	7.11	227.03	4286.05	-158.02	-169.65	231.84	0.00	0.00	0.00	
4400.00	7.11	227.03	4385.28	-166.46	-178.71	244.23	0.00	0.00	0.00	
4500.00	7.11	227.03	4484.51	-174.90	-187.77	256.61	0.00	0.00	0.00	
4600.00	7.11	227.03	4583.74	-183.34	-196.83	268.99	0.00	0.00	0.00	
4700.00	7.11	227.03	4682.97	-191.78	-205.89	281.37	0.00	0.00	0.00	
4800.00	7.11	227.03	4782.20	-200.22	-214.95	293.76	0.00	0.00	0.00	
4900.00	7.11	227.03	4881.43	-208.66	-224.01	306.14	0.00	0.00	0.00	
5000.00	7.11	227.03	4980.66	-217.10	-233.07	318.52	0.00	0.00	0.00	
5100.00	7.11	227.03	5079.89	-225.54	-242.13	330.90	0.00	0.00	0.00	
5200.00	7.11	227.03	5179.12	-233.98	-251.19	343.28	0.00	0.00	0.00	
5300.00	7.11	227.03	5278.35	-242.42	-260.25	355.67	0.00	0.00	0.00	
5400.00	7.11	227.03	5377.58	-250.86	-269.31	368.05	0.00	0.00	0.00	
5500.00	7.11	227.03	5476.81	-259.30	-278.37	380.43	0.00	0.00	0.00	
5600.00	7.11	227.03	5576.04	-267.74	-287.43	392.81	0.00	0.00	0.00	
5700.00	7.11	227.03	5675.27	-276.18	-296.50	405.20	0.00	0.00	0.00	
5800.00	7.11	227.03	5774.51	-284.62	-305.56	417.58	0.00	0.00	0.00	
5900.00	7.11	227.03	5873.74	-293.06	-314.62	429.96	0.00	0.00	0.00	
6000.00	7.11	227.03	5972.97	-301.50	-323.68	442.34	0.00	0.00	0.00	
6100.00	7.11	227.03	6072.20	-309.94	-332.74	454.72	0.00	0.00	0.00	
6200.00	7.11	227.03	6171.43	-318.37	-341.80	467.11	0.00	0.00	0.00	
6300.00	7.11	227.03	6270.66	-326.81	-350.86	479.49	0.00	0.00	0.00	
6400.00	7.11	227.03	6369.89	-335.25	-359.92	491.87	0.00	0.00	0.00	
6500.00	7.11	227.03	6469.12	-343.69	-368.98	504.25	0.00	0.00	0.00	
6600.00	7.11	227.03	6568.35	-352.13	-378.04	516.63	0.00	0.00	0.00	
6700.00	7.11	227.03	6667.58	-360.57	-387.10	529.02	0.00	0.00	0.00	
6800.00	7.11	227.03	6766.81	-369.01	-396.16	541.40	0.00	0.00	0.00	
6900.00	7.11	227.03	6866.04	-377.45	-405.22	553.78	0.00	0.00	0.00	
7000.00	7.11	227.03	6965.27	-385.89	-414.28	566.16	0.00	0.00	0.00	
7100.00	7.11	227.03	7064.50	-394.33	-423.34	578.55	0.00	0.00	0.00	
7105.54	7.11	227.03	7070.00	-394.80	-423.84	579.23	0.00	0.00	0.00	Target
7200.00	7.11	227.03	7163.73	-402.77	-432.40	590.93	0.00	0.00	0.00	
7300.00	7.11	227.03	7262.96	-411.21	-441.46	603.31	0.00	0.00	0.00	
7400.00	7.11	227.03	7362.19	-419.65	-450.52	615.69	0.00	0.00	0.00	
7500.00	7.11	227.03	7461.42	-428.09	-459.58	628.07	0.00	0.00	0.00	
7600.00	7.11	227.03	7560.65	-436.53	-468.64	640.46	0.00	0.00	0.00	
7700.00	7.11	227.03	7659.88	-444.97	-477.70	652.84	0.00	0.00	0.00	
7800.00	7.11	227.03	7759.11	-453.41	-486.76	665.22	0.00	0.00	0.00	
7900.00	7.11	227.03	7858.34	-461.85	-495.83	677.60	0.00	0.00	0.00	
8000.00	7.11	227.03	7957.57	-470.29	-504.89	689.98	0.00	0.00	0.00	
8100.00	7.11	227.03	8056.81	-478.73	-513.95	702.37	0.00	0.00	0.00	
8143.53	7.11	227.03	8100.00	-482.40	-517.89	707.76	0.00	0.00	0.00	PBHL

Precision Directional Services, Inc Planning Report

Company: SANDRIDGE ENERGY
Field: Lea County NME Nad 27
Site: Elliott Federal #5
Well: #5
Wellpath: Original Hole

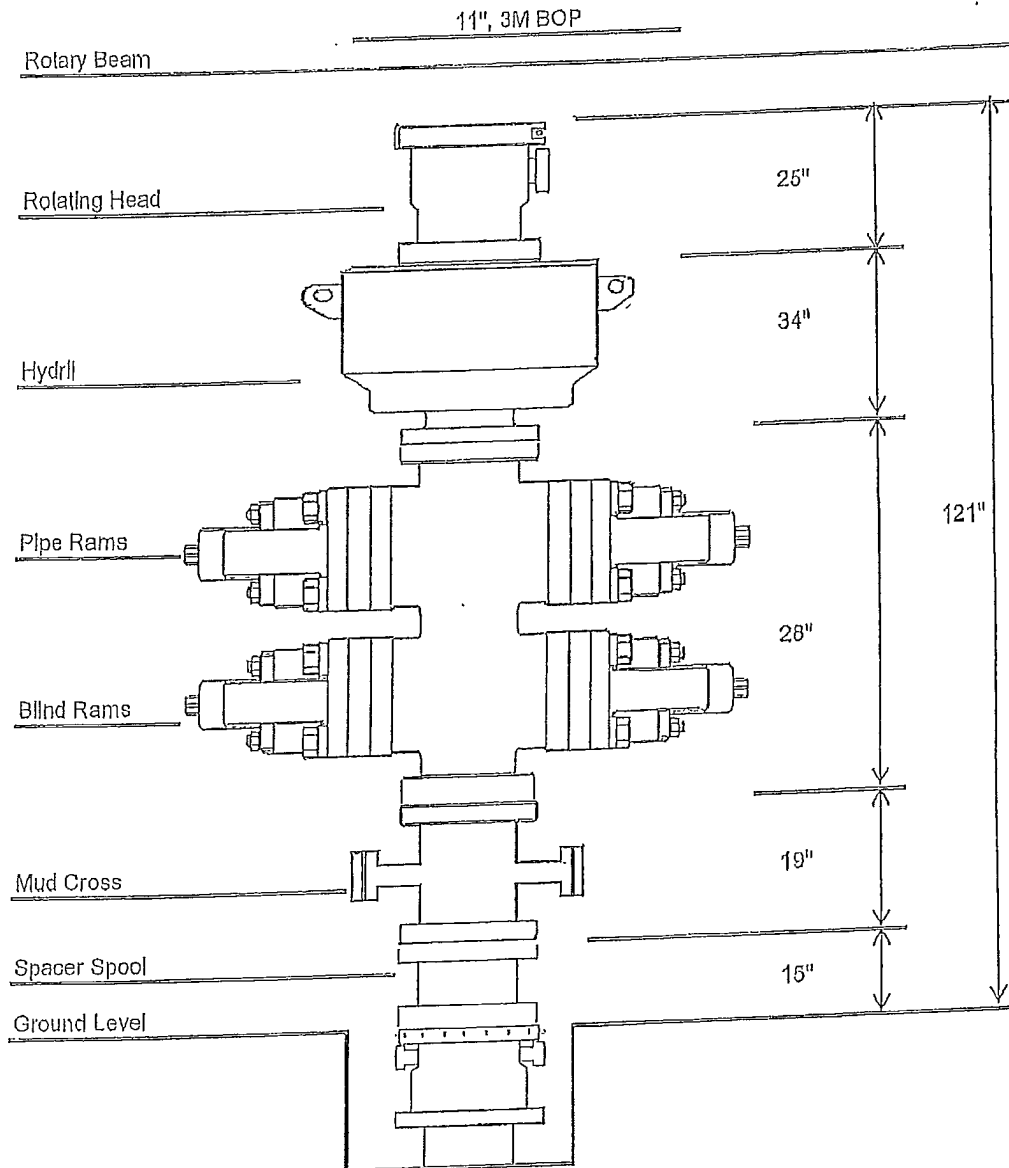
Date: 05/08/2012 **Time:** 09.07:08
Co-ordinate(NE) Reference: Well: #5, Grid North
Vertical (TVD) Reference: 3564' GL + 13' KB 3577.0
Section (VS) Reference: Well (0.00N,0.00E,227 03Azi)
Plan: Plan #1

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Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
SHL			0.00	0 00	0.00	890682.60	544074.80	33 26 54.227 N	104 11 19.813 W
Target	-Ellipse (125x125)		7070.00	-482.40	-517.89	890200.20	543556.91	33 26 49.461 N	104 11 25.933 W
PBHL	-Plan out by 128.53 at		7070.00	-394.80	-423.84	890287.80	543650.96	33 26 50.327 N	104 11 24.821 W
	-Plan hit target		8100.00	-482.40	-517 89	890200.20	543556.91	33 26 49.461 N	104 11 25.933 W

Lariat 17 BOP

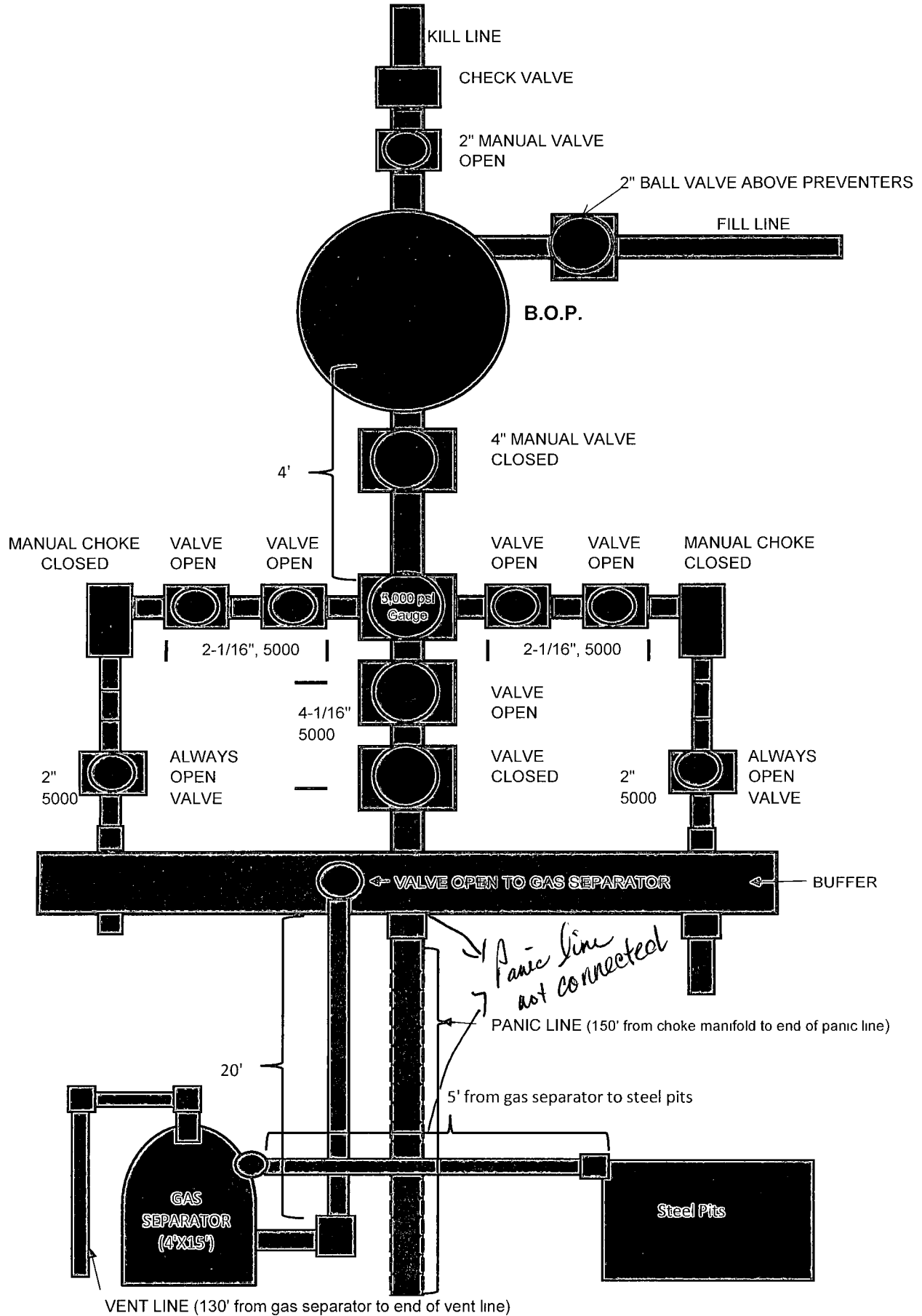


Attachment to Exhibit #1
NOTES REGARDING BLOWOUT PREVENTERS
SandRidge Exploration and Production, LLC
Elliott Federal #5

Surface Location: 1175' FSL, 645' FEL, Lot 4, Sec 9, T21S R38E, Lea County, New Mexico
Bottom Hole Location: 700' FSL, 1167' FEL, Lot 4, Sec 9 T21S R38E, Lea County, New Mexico

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum of 3000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a Kelly cock attached to the Kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operations.
10. Hydraulic floor control for blowout preventer will be location as near in proximity to the driller's controls as practical.
11. All BOP equipment will meet API standards and include a minimum 40-gallon accumulator having two independent means of power to initiate closing operations.

Lariat 17 choke Manifold



DESIGN PLAN

Above ground steel tanks will be utilized for the management of all fluids.

OPERATIONS AND MAINTENANCE PLAN

SandRidge E&P, LLC, will operate and maintain all above ground steel tanks in a prudent manner to prevent any spills. Operator will conduct daily visual tank inspection to locate any leak which might occur and potentially cause spoil or ground water contamination. NMOCD will be notified immediately of any significant volume(s) pursuant to NMOCD rule 19.15.29.

CLOSURE PLAN

Solids and fluids will be removed from steel tanks and hauled off by trucking companies. They will be taken to the nearest approved public disposal: (See Form C-144EZ, Item 5.).