

OCD-ARTESIA FEB 1 0 2009

UNITED STATES

FORM APPROVED OMB No 1004-0137 Expires March 31, 2007

6. If Indian, Allotee or Tribe Name

Lease Serial No.

NML C067981 BHL NM118703

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER

DEPARTMENT OF THE INTERIOR

la. Type of work: DRILL REENTE	ER		7 If Unit or CA Agree	ement, Name an	d No.
lb. Type of Well: ✓Oil Well ☐Gas Well ☐Other	Single Zone Multi	ole Zone	8. Lease Name and W Condor 7 Feder		
2. Name of Operator Devon Energy Production Company, L	P		9. API Well No.	5-31	 6970
Oklahoma City, Oklahoma City 73102-8260	3b Phone No. (include area code) 405-552-8198		10 Field and Pool, or E Red Lake; Glor		511 a
4. Location of Well (Report location clearly and in accordance with an At surface 1585 FNL & 2225 FWL, Unit F	y State regulation ORTHOD	OOX	11 Sec, T. R M or Bl	k. and Survey or	Area
At proposed prod zone 1650 FNL & 330 FEL, Unit H	LOCATIO	N	Sec 7, T18S R2	7E, Unit F; U	nit H
14 Distance in miles and direction from nearest town or post office* Approximately 7 miles southeast of Artesia, NM			12 County or Parish Eddy County	13. S	tate NM
Distance from proposed* 330' location to nearest property or lease line, ft (Also to nearest drig unit line, if any)	16 No. of acres in lease 40 acres in each lease	17 Spacin	g Unit dedicated to this w	ell	
8 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 101'	19 Proposed Depth 20 BLM/BIA Bond No on file 5231' MD 2790' TVD CO-1104				
1 Elevations (Show whether DF, KDB, RT, GL, etc.) 3290' GL	22 Approximate date work will star 11/30/2008	rt*	23. Estimated duration 30 days		
	24. Attachments				
he following, completed in accordance with the requirements of Onshor. Well plat certified by a registered surveyor. A Drilling Plan A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).	4. Bond to cover the ltem 20 above) Lands, the 5 Operator certific	e operation ation specific info	is form In sunless covered by an elementary or sunless covered by an elementary and/or plans as such	J	•
5 Signature	Name (Printed/Typed) Norvella Adams		I	Date 10/27/200	8
file Sr. Staff Eng. Tech					
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed)	on Pe	terson	Date FEB (9 2009
FIELD MANAGER	Office CARLSB.	AD FI	ELD OFFICE	-	
Application approval does not warrant or certify that the applicant hold	s legal or equitable title to those righ	s in the sub	ject lease which would en	title the applica	ntto

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

*(Instructions on page 2)

conduct operations thereon

Conditions of approval, if any, are attached.

ROSWELL CONTROLLED WATER BASIN

SEE ATTACHED FUR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVAL FOR TWO YEARS

PRIVATE SURFACE OWNER AGREEMENT

OPERATOR: Devon Energy Production Company, LP	
WELL NAME: Condor 7 Federal Com 3H	_
SECTION: _7TOWNSHIP:18_S RANGE:27E	_
LOCATION: 1585 FNL 2225 FWL	
COUNTY: Eddy STATE: NM	
LEASE NUMBER: SL: NM17715 LEASE NUMBER: SL: NM118703	
CTATEMENT OF CUREACE USE	
STATEMENT OF SURFACE USE	
The surface to the subject land is owned byMr. Kenneth Benally	'
The surface owner has been contacted regarding the drilling of the subject	: well, and an
agreement for surface use has been negotiated.	
CERTIFICATION: I hereby certify that the statements made in this statement a	are to the best
of my knowledge, true and correct.	
Signature	
NAME: _Norvella Adams	7 3
DATE:December 22, 2008	
TITLE: _Sr. Staff Engineering Technician	7 770 7 700 7 700 7 100 100
To expedite your Application to Drill please fax the completed form to the Bureau of Land Management (505) 234-5927 or (505) 885-9264 Attention: Legal Instruments Examiner 620 E. Green Street	<u> </u>
Carlsbad, NM 88220	

The original document with signature should be mailed as soon as possible. Thank you for your cooperation.

JISTRICT I 1655 M. French Dr., Hobbs, NM 88240 DISTRICT II 1301 W. Grand Avenue, Artesia, NM 88210

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	Number			Pool Code Pool Name					
30-01	30-015-36970 51120 Red Lake: Glorieta-yeso						0		
Property Code					Property Nam		- 4	Well Nu	ımber
3760	o{}	CONDOR "7" FEDERAL COM				3H	3H		
	OGRID No. Operator Name				Elevation				
6137	DEVON ENERGY PRODUCTION COMPANY LP			LP	3290'				
Surface Location									
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	7	18 S	27 E		1585 [/]	NORTH	2225	WEST	EDDY

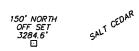
Bottom Hole Location If Different From Surface

ĺ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
l	Н	7	18 S	27 E		1650	NORTH	330 /	EAST	EDDY
	Dedicated Acres Joint or Infill Consolidation Code		Code Or	ier No.						
	₁₂₀ J	İ			l					

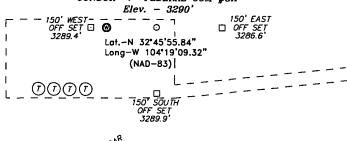
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

OR A NON-STA	NDARD UNIT HAS BEI	EN APPROVED BY TH	E DIVISION
N: 643776 648 E: 54349; 141 LAT: 3274511,194* LONG: -10419'35.385* SURFACE LOCATION Lat - N32'45'55.84* Long - W104'19'09.33. SPC - N.: 642154.867 E.: 545665.078 (NAD-83) N: 638493,387 E: 54346.990 LAT: 3245'88.915* LONG: -10479'35.297*	3440,4'	N: 643685.505 E:588773 495 LAT: 3246*10.285* LONG: -10418*32.908* BOTTOM HOLE LOCATION Lat - N32*45*54.14* Long - W104*18*29.87* SPC - N.: 642041.163 E: 548773.42! LAT: 32*45*44.281* LONG: -10418*32.916* N: 638418.538 E:548770.361 LAT: 32*45*18.167* LONG: -10418*32.959*	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and bettef, and that this organization either owns a working universit or unleased mineral interest in the land mcluding the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a computsory pooling order heretofore entered by the division. Norvella Adams Printed Name 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 supervison, and that the same is true and correct to the best of my bettef. JUNE 22 2008 Date Survey Signature Same Signature Signature Signature Signature Signature Professicial Serveyor Professicial Serveyor Signature Same Survey Signature Same Signature Same Survey Surve

SECTION 7, TOWNSHIP 18 SOUTH, RANGE 27 EAST, N.M.P.M., P. NEW MEXICO.



DEVON ENERGY PRODUCTION CO., L.P. CONDOR "7" FEDERAL COM #3H



SALT CEDAR

Directions to Location:

FROM THE JUNCTION OF HWY 82 AND HILLTOP, GO SOUTH ON HILLTOP 0.1 MILES TO EMPIRE, ON EMPIRE TO SOUTHWESTERLY 2.1 MILES TO LITTLE DIAMOND, ON LITTLE DIAMOND GO WESTERLY 2.3 MILES TO CHALK BLUFF, ON CHALK BLUFF CONORTH 0.6 MILES TO LEASE ROAD, ON LEASE ROAD GO WEST 1.2 MILES TO LEASE ROAD, GO SOUTH 1.0 MILES TO LEASE ROAD, ON LEASE ROAD TO PROPOSED LOCATION.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 19913 Drawn By: **J. M. SMALL**Date: 06-28-2008 Disk: 19913 JMS

200 0 200 400 FEET

| H H H H H | 200'

6

DEVON ENERGY PROD. CO., L.P.

EF: CONDOR "7" FEDERAL COM #3H / WELL PAD TOPO

THE CONDOR "7" FEDERAL COM #3H LOCATED 1585' FROM

THE NORTH LINE AND 2225' FROM THE WEST LINE OF SECTION 7, TOWNSHIP 18 SOUTH, RANGE 27 EAST,

N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 06-27-2008 Sheet 1 of 1 Sheets

CONDOR 7 EDERAL COM #3H -13

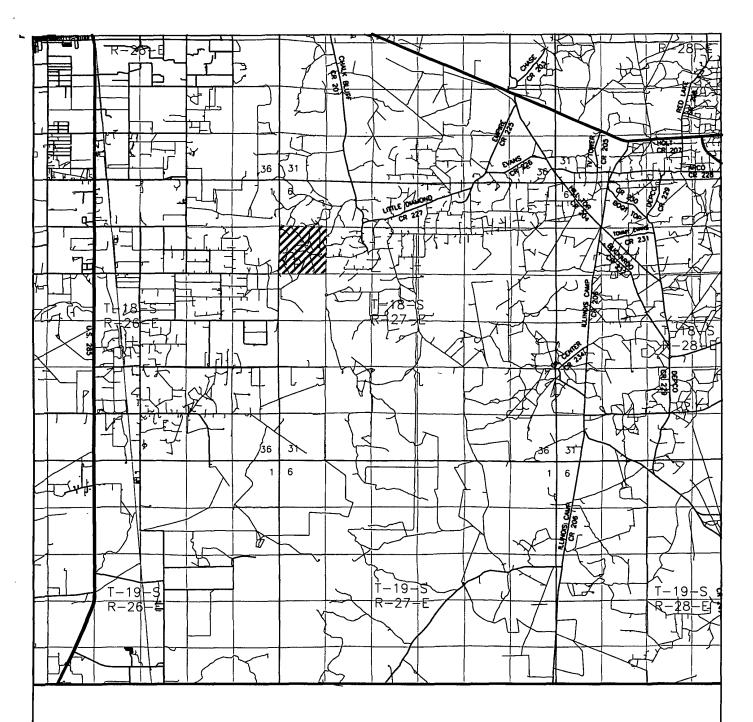
CONDOR "7" FEDERAL COM #3H
Located at 1585' FNL AND 2225' FWL
Section 7, Township 18 South, Range 27 East,
N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

W.O. Number: JMS 19913
Survey Date: 06-27-2008
Scale: 1" = 2000'
Date: 06-30-2008

DEVON ENERGY PROD. CO., L.P.



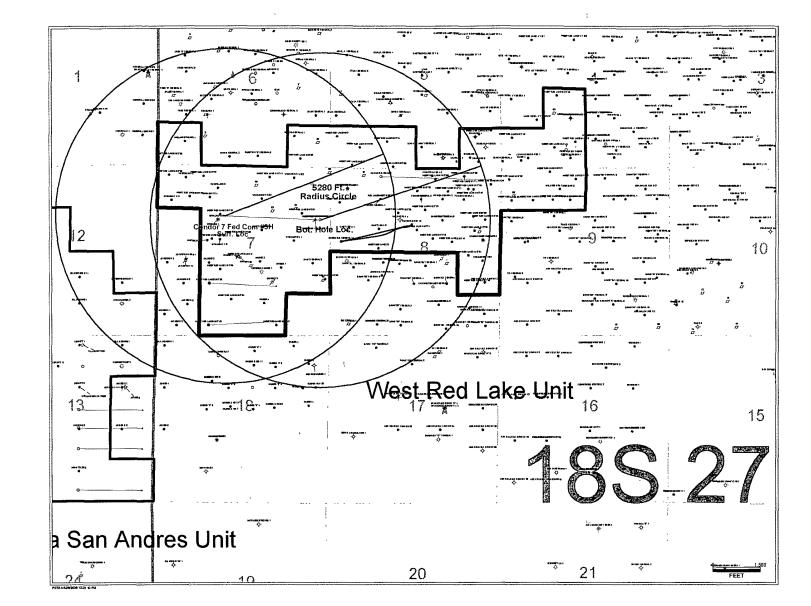
CONDOR "7" FEDERAL COM #3H Located at 1585' FNL AND 2225' FWL Section 7, Township 18 South, Range 27 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com

W.O. Number:	JMS 19913
Survey Date:	06-27-2008
Scale: 1" = 2	MILES
Date: 06-30-	-2008

DEVON ENERGY PROD. CO., L.P.



DRILLING PROGRAM

Devon Energy Production Company, LP Condor 7 Federal Com 3H

Surface Location: 1585' FNL & 2225' FWL, Unit F, Sec 7 T18S R27E, Eddy, NM Bottom Hole Location: 1650' FNL & 330' FEL, Unit H, Sec 7 T18S R27E, Eddy, NM

1. Geologic Name of Surface Formation

a. Permian

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

a.	Queen	399'	
b.	Grayburg	824'	Oil & Gas
c.	San Andres	1059'	Oil & Gas
d.	Glorieta	2414'	Oil & Gas
e.	Yeso	2549'	Oil & Gas
f.	Total Depth	5231'	

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 7" casing at 3120' and circulating cement back to surface. The Yeso intervals will be isolated by setting 7" casing to 3120' and setting 4 ½" casing with a peak open hole system to total depth.

3. Casing Program:

<u>Hole</u>	<u>Hole</u>	OD Csg	<u>Casing</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
<u>Size</u>	Interval		<u>Interval</u>			
30"	0' - 40'	20"	0'- 40'			Conductor
> 12 1/4"	40'- 450' <i>4</i> 7	O 9 5/8"	0'-450'4-10	3 <i>6</i> #	ST&C	H-40
8 3/4"	450-341873	130 7"	0-2000'	26#	LT&C	L-80
8 3/4"	.450-311813	3/20 7"	2000'-3120'	26#	BT&C	L-80
6 1/8"	3118-5231"	4 1/2"	3070-5231'	11.6#	BT&C	L-80
			1/17/06		55°	Cal

The liner will be comprised of 4 ½" P-110, 11.6#, BT&C casing to be hung off +/- 50' inside the 7" at +/- 3,070'. The liner will consist of a 5 stage open hole isolation tool (Peak) and will not be cemented. It will be TD'd at 5,231'. This liner will be run in a 6 1/8" hole.

Design Parameter Factors:

Casing Size	Collapse Design	Burst Design	Tension Design
	Factor	Factor	Factor
9 5/8"	10.56	2.50	2.57
7"	4.19	1.5	2.20
4 1/2"	4.09	1.63	1.91

4. Cement Program: (Note yields; and dv tool depths if multiple stages)

a. 9 5/8" Surface 225 sx Premium Plus C + 2% Ca $Cl_2 + \frac{1}{4}$ lbs/sx Celloflake, 14.8 ppg, 1.35 cf/sx, 6.35 gps. TOC = 0.

b. 7" Intermediate

Lead with 200 sx (35:65) Premium Plus C + 5% NaCl + ¼ lbs/sx

Cello Flake + 6% Bentonite; 12.7 ppg, 1.94 cf/sx, 10.51 gps. Tail

with 360 sx (60:40) Premium Plus C + 5% NaCl + ¼ lbs/sx Cello

Flake + 0.4% Sodium Metasilicate + 0.75% BA-10A + 4% MPA
5; 13.8 ppg, 1.38 cf/sx, 6.41 gps. TOC = 0.

c. 4 1/2" Liner

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach the surface. All casing is new and API approved.

5. Pressure Control Equipment:

The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a (3/5 K system) double ram type (3000/5000 psi WP) preventor and a bag-type (Hydril) preventor (3000/5000 psi WP) and rotating head. Both units will be hydraulically operated and the ram type preventor will be equipped with blind rams on top and 4 ½" drill pipe rams on bottom. The 3K annular BOP will be nippled up on the 9 5/8" casing and tested to 1000 psi high and 250 low with rig-pump. The 5K double BOP will be nippled up on the 9.5/8" and tested as per Onshore Order #2.

1 See COL

Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily driller's log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having 3000/5000 psi WP rating.

6. Proposed Mud Circulation System

<u>Depth</u>	Mud Wt.	<u>Visc</u>	Fluid Loss	Type System
0'-450'40	8.4 - 9.4	32-34	NC	Fresh Water
4/0 450 - 3120'	10.0	28	NC	Brine
3120'- 5231'	10.0	28	NC	Brine

The necessary mud products for weight addition and fluid loss control will be on location at all times,

7. Auxiliary Well Control and Monitoring Equipment:

SEC COA

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 9 5/8" casing shoe until the 4 1/2" liner is set. Breathing equipment will be on location upon drilling the 9 5/8" shoe until total depth is reached.

8. Logging, Coring, and Testing Program:

- a. Drill stem tests will be based on geological sample shows.
- b. If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
- c. The open hole electrical logging program will be:
 - i. Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron Z Density log with Gamma Ray and Caliper.
 - ii. Total Depth to Surface Compensated Neutron with Gamma Ray
 - iii. No coring program is planned
 - iv. Additional testing will be initiated subsequent to setting the 5 ½" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

9. Potential Hazards:

a. No abnormal pressures or temperatures are expected. A H2S contingency plan will be provided. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 800 psi and Estimated BHT 90°.

10. Anticipated Starting Date and Duration of Operations:

a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 30 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

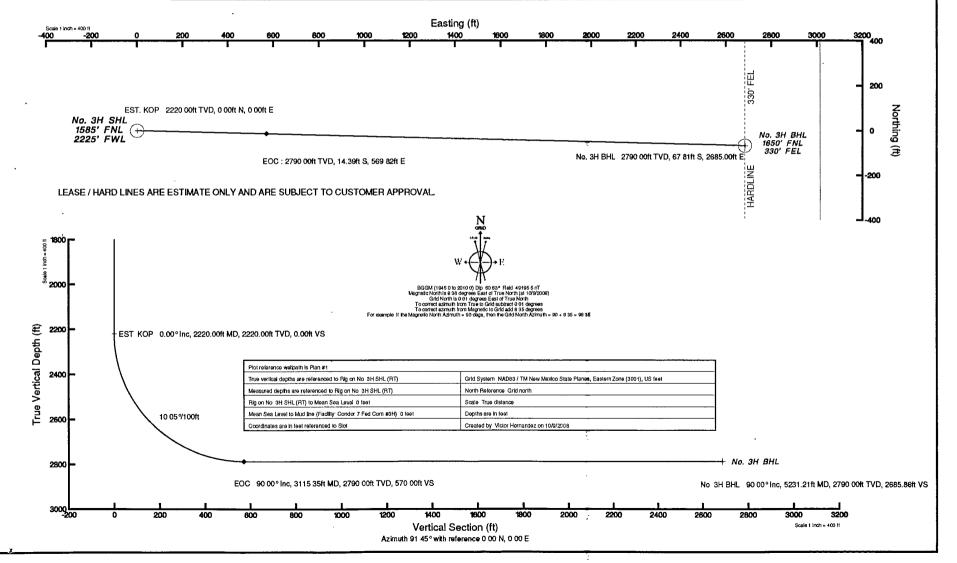


Devon Energy Location: Eddy County, NM Field: (Condor) Sec 7, T18S, R27E Facility: Condor 7 Fed Com #3H Wellbo

Skot: No. 3H SHL Well: No. 3H Wellbore; No. 3H PWB



Well Profile Data									
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (%100ft)	VS (ft)	
Tie On .	0.00	0.000	91.447	0.00	0.00	0.00	0.00	0.00	
EST. KOP	2220.00	0.000	91.447	2220.00	0.00	0.00	0.00	0.00	
EOC	3115.35	90.000	91.447	2790.00	-14.39	569.82	10.05	570.00	
No. 3H BHL	5231.21	90.000	91.447	2790.00	-67.81	2685.00	0.00	2685.86	





Planned Wellpath Report Plan #1 Page 1 of 3

BAKER HUGHES **INTEQ**

REFEREN	CEWELLPATHIDENTIFICATION.		
Operator	Devon Energy	Slot .	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Condor) Sec 7, T18S, R27E	Wellbore	No. 3H PWB
Facility	Condor 7 Fed Com #3H		

REPORT SETUP IN	CORMATION		
Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999909	Report Generated	10/9/2008 at 10:53:56 AM
Convergence at slot	0.01° East	Database/Source file	WA_Midland/No3H_PWB.xml

WELLPATH-LOCATION:	经产品的企业			等。在中国的国际			
	Local coor	rdinates	Grid co	ordinates	Geographic coordinates		
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude	
Slot Location	0.00	0.00	545759.94	642113.87	32°45'54.738"N	104°19'08.206"W	
Facility Reference Pt			545759.94	642113.87	32°45'54.738"N	104°19'08.206"W	
Field Reference Pt			545759.94	642113.87	32°45'54.738"N	104°19'08.206"W	

WELLPATH DATUM 🌅			
Calculation method	Minimum curvature	Rig on No. 3H SHL (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Slot	Rig on No. 3H SHL (RT) to Mean Sea Level	0.00ft
Vertical Reference Pt	Rig on No. 3H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 3H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	91.45°



Planned Wellpath Report Plan #1 Page 2 of 3

BAKER HUGHES INTEQ

REDERE	NCE AVELUPATH IDENTIFICATION		
Operator	Devon Energy	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Condor) Sec 7, T18S, R27E	Wellbore	No. 3H PWB
Facility	Condor 7 Fed Com #3H		·

4520.00† 90.000 91.447 2790.00 1974.65 -49.86 1974.02 0.00 4620.00† 90.000 91.447 2790.00 2074.65 -52.38 2073.98 0.00 4720.00† 90.000 91.447 2790.00 2174.65 -54.91 2173.95 0.00	WELLPATH DATA	Λ (34 stations) \dagger = ir	terpolated/extra	polated station				. * -	
0.00									Comments
2220.00			<u> </u>						
2320.00f							······		
2420.00 20.10 91.447 2415.92 34.73 -0.88 34.72 10.05					L				
252,000f 30,156 31,447 2506,34 47,14 11,95 77,12 10,05							~~~~		
2620.00† 40.208 91.447 2587.97 134.68 -3.40 134.64 10.05									
2720.00† 50.259 91.447 2658.30 205.59 -5.19 205.53 10.05								· ····································	
2820.00† 60.311 91.447 2715.18 287.69 -7.26 287.59 10.05)							
2920.00† 70.363 91.447 2756.85 378.45 -9.56 378.33 10.05									·}
302000 30415 91447 2782.01 475.09 112.00 474.94 10.05 3115.35 90.000 91.447 2790.00 570.00 -14.39 569.82 10.05 BCC									
3115.35	,								
3120.00† 90.000 91.447 2790.00 574.65 -14.51 574.46 0.00			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						The street of th
3220.00† 90.000 91.447 2790.00 674.65 -17.03 674.43 0.00	ļ								EOC
3320.00† 90.000 91.447 2790.00 774.65 -19.56 774.40 0.00									
342000 90000 91447 2790.00 874.65 22.08 874.37 0000 3520.00 90.000 91.447 2790.00 974.65 -24.61 974.34 0.00 3620.00 90.000 91.447 2790.00 1074.65 -27.13 1074.30 0.00 3720.00 90.000 91.447 2790.00 1174.65 -27.13 1074.30 0.00 3720.00 90.000 91.447 2790.00 1174.65 -29.66 1174.27 0.00 3820.00 90.000 91.447 2790.00 1274.65 -32.18 1274.24 0.00 3920.00 90.000 91.447 2790.00 1274.65 -32.18 1274.24 0.00 3920.00 90.000 91.447 2790.00 1274.65 -32.18 1274.24 0.00 3920.00 90.000 91.447 2790.00 1474.65 -37.23 1474.18 0.00 4120.00 90.000 91.447 2790.00 1574.65 -39.76 1574.14 0.00 4220.00 90.000 91.447 2790.00 1574.65 -39.76 1574.14 0.00 4220.00 90.000 91.447 2790.00 1674.65 -42.28 1674.11 0.00 4320.00 90.000 91.447 2790.00 1774.65 -42.28 1674.11 0.00 4320.00 90.000 91.447 2790.00 1774.65 -44.81 1774.08 0.00 4420.00 90.000 91.447 2790.00 1774.65 -44.81 1774.08 0.00 4420.00 90.000 91.447 2790.00 1874.65 -42.88 1874.05 0.00 420.00 90.000 91.447 2790.00 1874.65 -43.81 1774.08 0.00 420.00 90.000 91.447 2790.00 1874.65 -43.81 1774.08 0.00 420.00 90.000 91.447 2790.00 1874.65 -43.81 1774.08 0.00 420.00 90.000 91.447 2790.00 1874.65 -43.81 1774.02 0.00 420.00 90.000 91.447 2790.00 1974.65 -49.86 1974.02 0.00 420.00 90.000 91.447 2790.00 2774.65 -52.38 2073.98 0.00 420.00 90.000 91.447 2790.00 2774.65 -52.38 2073.98 0.00 420.00 90.000 91.447 2790.00 2774.65 -52.38 2073.98 0.00 420.00 90.000 91.447 2790.00 2774.65 -52.38 2073.98 0.00 420.00 90.000 91.447 2790.00 2774.65 -52.38 2073.98 0.00 420.00 90.000 91.447 2790.00 2774.65 -52.38 2073.98 0.00 420.00 90.000 91.447 2790.00 2774.65 -54.91 2173.95 0.00 420.00 90.000 91.447 2790.00 2774.65 -54.91 2173.95 0.00								0.00	
3520.00† 90.000 91.447 2790.00 974.65 -24.61 974.34 0.00									
3620.00† 90.000 91.447 2790.00 1074.65 -27.13 1074.30 0.00								4)	
3720.00† 90,000 91,447 2790.00 1174.65 -29.66 1174.27 0.00 3820.00† 90,000 91,447 2790.00 1274.65 -32.18 1274.24 0.00 13920.00† 90,000 91,447 2790.00 1474.65 -37.23 1474.18 0.00 1470.00† 90,000 91,447 2790.00 1574.65 -39.76 1574.14 0.00 1574.65 -39.76 1574.14 0.00 1574.65 -39.76 1574.14 0.00 1574.65 -39.76 1574.14 0.00 1574.65 -39.76 1574.14 0.00 1574.65 -39.76 1574.14 0.00 1574.65 -39.76 1574.14 0.00 1574.65 -42.28 1674.11 0.00 1574.65 -42.28 1674.11 0.00 1774.65 -44.81 1774.08 0.00 1774.65 -44.81 1774.08 0.00 1774.65 -44.81 1774.08 0.00 1874.00† 90.000 91.447 2790.00 1874.65 -49.86 1974.02 0.00 1794.02 0.00 1794.00 1794.05 -49.86 1974.02 0.00 1794.00	ļ	·					***********************	·	
3820.00† 90.000 91.447 2790.00 1274.65 -32.18 1274.24 0.00	1							·	
3920.00† 90.000 91.447 2790.00 1374.65 34.71 1374.21 0.00 1474.05 34.71 1374.21 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.05 34.71 1474.18 0.00 1474.08 0.00 1474.08 0.00 1474.08 1474.08 0.00 1474.08 1474.08 0.00 0.00 1474.08									
4020.00† 90.000 91.447 2790.00 1474.65 -37.23 1474.18 0.00									
4120.00† 90.000 91.447 2790.00 1574.65 -39.76 1574.14 0.00	3920.001	生。	91:447	2790.00	1374.65	34.71	1374.21	二字 4 升 元 20.00	
4220.00† 90.000 91.447 2790.00 1674.65 -42.28 1674.11 0.00	4020.00†	90.000	91.447	. 2790.00	1474.65	-37.23	1474.18	0.00	
4320.00† 90.000 91.447 2790.00 1774.65 -44.81 1774.08 0.00 4420.00† 90.000 91.447 2790.00 1874.65 -47.33 1874.05 -0.00 4520.00† 90.000 91.447 2790.00 1974.65 -49.86 1974.02 0.00 4620.00† 90.000 91.447 2790.00 2074.65 -52.38 2073.98 0.00 4720.00† 90.000 91.447 2790.00 2174.65 -54.91 2173.95 0.00	4120.00†	90.000	91.447			<u> </u>	1574.14	0.00	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	4220.00†			2790.00			1674.11	0.00	
4520.00† 90.000 91.447 2790.00 1974.65 -49.86 1974.02 0.00 4620.00† 90.000 91.447 2790.00 2074.65 -52.38 2073.98 0.00 4720.00† 90.000 91.447 2790.00 2174.65 -54.91 2173.95 0.00				2790.00	1774.65	-44.8 1	1774.08	0.00	
4620.00† 90.000 91.447 2790.00 2074.65 -52.38 2073.98 0.00 4720.00† 90.000 91.447 2790.00 2174.65 -54.91 2173.95 0.00	4420.00†	90.000	91.447	2790.00	1874.65	47.33	1874.05	0:00	
4720.00† 90.000 91.447 2790.00 2174.65 -54.91 , 2173.95 0.00	4520.00†	90.000	91.447		1974.65		1974.02	0.00	
	4620.00†	90.000	91.447	2790.00	2074.65	-52.38	2073.98	0.00	
4000 004 00 000 01 447 0700 00 074 65 57 42 0777 00 0	4720.00†	90.000	91.447	2790.00	2174.65	-54.91	2173.95	0.00	
4620.00T 90.000 91.447 2790.00 2276.05 -57.45 2273.92 0.00	4820.00†	90.000	91.447	2790.00	2274.65	-57.43	2273.92	0.00	·
4920.00 90.000 91.447 2790.00 2790.00 2374.65 2374.65 2374.65 2373.89 2373.89 2373.89	4920.00†	/90:000	91.447	2790.00	14 Page 5 2374.65	59.96 1 ± 1 ± 59.96	. 2373:89	0.00	State And Section 1



Planned Wellpath Report Plan #1 Page 3 of 3

BAKER HUGHES INTEQ

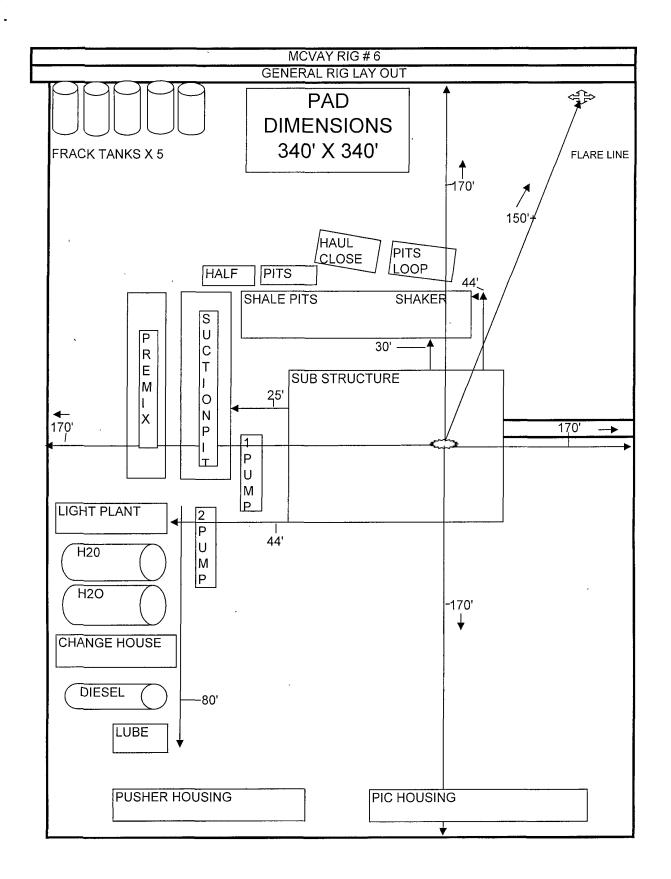
REFEREN	CE WELLPATH: IDENTIFICATION	到 多型 的数	
Operator	Devon Energy	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Condor) Sec 7, T18S, R27E	Wellbore	No. 3H PWB
Facility	Condor 7 Fed Com #3H		

WELLPATH DATA	A (34 stations) = + = ir	terpolated/extra	polated station					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [%100ft]	Comments
5020.00†	90.000	91.447	2790.00	2474.65	-62.48	2473.86	0.00	
5120.00†	90.000	91.447	2790.00	2574.65	-65,00	2573.83	0.00	
5220.00†	90.000	91.447	2790.00	2674.65	-67.53	2673.79	0.00	
5231.21	90.000	91.447	2790.00 ¹	2685.86	-67.81	2685.00	0.00	No. 3H BHL

HOLE & CASING SECTIONS Ref Wellbore: No. 3H PWB Ref Wellpath: Plan #1									的复数形式
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
8.75in Open Hole	2220.00	3115.35	895.35	2220.00	2790.00	0.00	0.00	-14.39	569.81
6.125in Open Hole	3115.35	5231.21	2115.86	2790.00	2790.00	-14.39	569.81	-67.81	2685.00

TARGETS		· 美格士		30, 16.8	- 1.22 - 1.	1		12 22 4 4 5 C 12 P A	
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 3H BHL	5231.21	2790.00	-67.81	2685.00	548444.69	642046.06	32°45'54.062"N	104°18'36.763"W	point

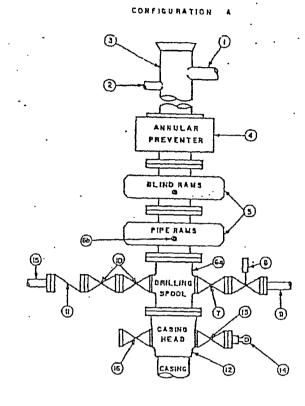
SURVEY PROGRA	M Ref Wellbore	: No. 3H PWB Ref Wellpath: Plan #1		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	5231.21	NaviTrak (Standard)		No. 3H PWB



3 MWP

STACK REQUIREMENTS

No.	ltem		Min.	Min. Nominal
1	Flowline			
2	Fill up line			2"
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual hy operated rams	draulically		
6a	Drilling spool with 2" min. 3" min choke line outlets	kill line and		
6b	2" min. kill line and 3" min outlets in ram. (Alternate t			
7	Valve	Gate 🛘 Plug 🗖	3-1/6"	
8	Gale valve—power operat	ed	3-1/8*	·
9	Line to choke manifold			3"
10	Valves	Gate □ Plug □	2-1/16"	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gate 🗆 Plug 🗀	1-13/16"	
14	Pressure gauge with need	le valve		
15	Kill line to rig mud pump m	blolins		2"



OPTIONAL		
16 Flanged valve	1-13/16*	

CONTRACTOR'S OPTION TO FURNISH:

- All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 3,000 psi, minimum.
- 2.Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
 - BOP controls, to be located near drillers position.
 - 4.Kelly equipped with Kelly cock.
 - 5. Inside blowout prevventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
 - 6.Kelly saver-sub equipped with rubber casing protector at all times.
 - 7.Plug type blowout preventer tester.
 - B.Extra set pipe tams to fit drill pipe in use on location at all times.
 - 9. Type RX ring gaskets in place of Type R.

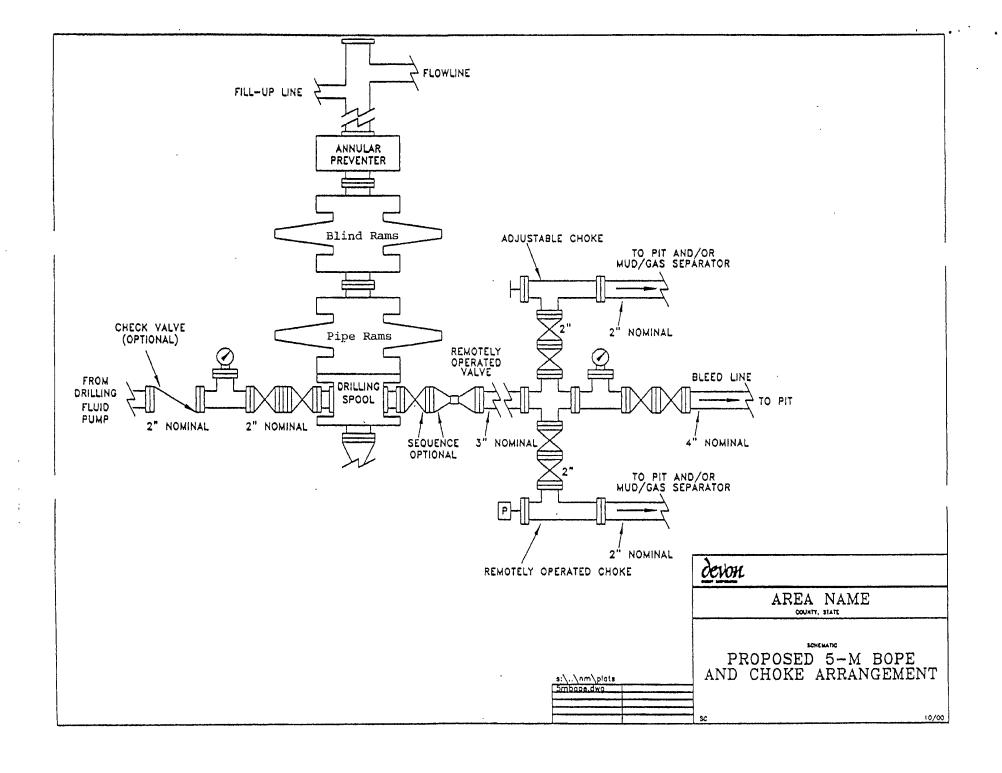
MEC TO FURNISH:

- 1.Bradenhead or casinghead and side valves.
- 2. Wear bushing, if required.

GENERAL NOTES:

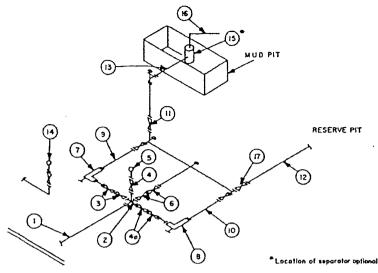
- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- 2.All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through chore. Valves must be full opening and suitable for high pressure mud service.
- Controls to be of standard design and each marked, showing opening and closing position.
- 4.Chokes will be positioned so as not to hamper or datay changing of choke beans. Replaceable parts for adjustable choke, other bean sizes, retainers, and choke wrenches to be convenionly located for immediate use.
- 5.All valves to be equipped with handwheels or handles ready for immediate
- 6. Choka lines must be suitably anchored.

- 7. Handwheels and extensions to be connected and ready for use.
- 8. Valves adjacent to drilling apool to be kept open. Use outside valves except for emergency.
- 9.All seamless steel control piping (3000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- Casinghead connections shall not be used except in case of emergency.
- 11.Do not use kill line for routine illi-up operations.



MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

3 MWP - 5 MWP - 10 MWP



BEYOND	SUBST	RUCT	URE
--------	-------	------	-----

			MINII	MUM REQL	PREMENTS	5				
		3,000 MWP		5,000 MWP			10,000 MWP			
No.		I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling spool		3"	3,000		3*	5,000		3*	10,000
2	Cross 3"x3"x3"x2"			3,000			5,000			
_	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate □ Plug □(2)	3-1/8"		3,000	3-1/8*		5,000	3-1/8"		10,000
4	Valve Gate □ Plug □(2)	1-13/16"		3,000	1-13/16*		5,000	1-13/16*	-	10,000
4a	Valves(1)	2-1/16"		3,000	2-1/16"		5,000	3-1/8"		10,000
5	Pressure Gauge			3,000	•		5,000			10,000
6	Valves Gate □ Plug □(2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
7	Adjustable Choke(3)	2"		3,000	2*		5,000	2*		10,000
8	Adjustable Choke	1"		3,000	1"		5,000	2"		10,000
9	Line		3*	3,000		3"	5,000		3*	10,000
10	Line		2"	3,000		2"	5,000		3*	10,000
11	Valves Gate □ Plug □(2)	3-1/8"		3,000	3-1/8*		5,000	3-1/8"		10,000
12	Lines		3**	1,000		3"	1,000		3*	2,000
13	Lines		3*	1,000		3*	1,000		3"	2,000
14	Remote reading compound standpipe pressure gauge			3,000			5,000	-		10,000
15	Gas Separator		2'x5'			2'x5'			2'x5'	
16	Line		4"	1,000		4"	1,000		4-	2,000
17	Valves Gate □ Plug □(2)	3-1/8"		3,000	3-1/B*		5,000	'3-1/B"		10,000

- (1) Only one required in Class 3M.
- (2) Gate valves only shall be used for Class 10M.
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely anchored.
- 4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- 5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.
- 7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.

devon

Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260

Hydrogen Sulfide (H₂S) Contingency Plan

For

Condor "7" Federal" Com Well # 3H

1585' FNL & 2225' FWL, Sec-7, T-18S R-27E

Eddy County NM

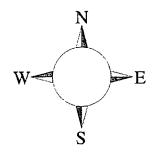
Bureau of Land Management Received

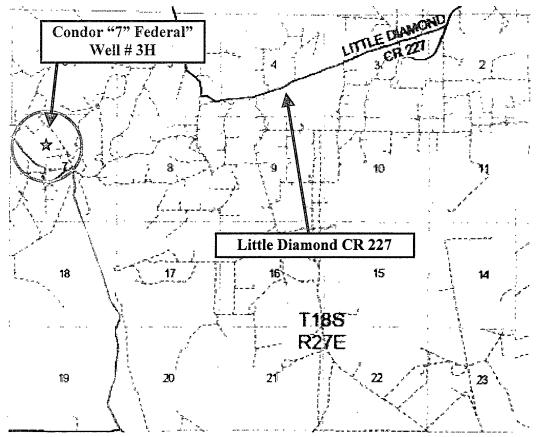
DEC 2 4 2008

> Carlsbad Field Office Carlsbad, N.M.

Condor "7" Federal" Com Well # 3H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.





Assumed 100 ppm $ROE = 3000^{\circ}$ (Radius of Exposure) 100 ppm H2S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of discharging gas in the event of an emergency release. Escape can be facilitated on lease road to CR 227. Crews should then move to block access to the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings within or near the ROE. Immediate response should include the evacuation of any person(s) potentially affected by toxic or flammable gasses. Evacuation of the downwind areas should occur first. Perimeter monitoring should then be established to ensure safe areas.

Emergency Procedures

In the case of a release of gas containing H_2S , the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H_2S , measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H_2S monitors and air packs in order to control the release. Use the "buddy system' to ensure no injuries during the response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentr- ation
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Devon Energy Corp. Company Call List

	Artesia	(505)	Cellular	Office	Home	
•	Asst. For Don May Montral V	– Robert Belleman –Tommy Polly berry Walker – Marcos Ortiz(4	7.748-5290 748-5235 390-5182	. 748-0165 . 748-0164 . 748-0193	. 748-2846 . 746-4945 . 936-414-6	5246
Ag	gency C	all List				
Eddy Cour (505)	ity	State Police	gency Planning Co	ommittee)		. 746-2703 . 746-9888 . 911 . 746-2701 . 746-2122
	Car	rlsbad State Police	ergency Planning nd Management ergency Response	; Committee)e Commission (Sa	anta Fe)	. 885-3137 . 885-2111 . 887-7551 . 911 . 885-2111 . 885-2111 . 887-3798 . 887-6544 (505)476-9600 (505) 827-9126
	B C H	oots & Coots IWC udd Pressure Contro (alliburton	1	(915)	699-0139 (746 - 2757	
Give GPS positi	on: A	light For Life - Lubb erocare - Lubbock, T led Flight Air Amb - ifeguard Air Med S	ΓΧ Albuquerque, NM	 [.(806) 747-8923 .(505) 842-4433

Prepared in conjunction with Wade Rohloff of;



SURFACE USE PLAN

Devon Energy Production Company, LP

Condor 7 Federal Com 3H

Surface Location: 1585' FNL & 2225' FWL, Unit F, Sec 7 T18S R27E, Eddy, NM Bottom Hole Location: 1650' FNL & 330' FEL, Unit H, Sec 7 T18S R27E, Eddy, NM

1. Existing Roads:

- a. The well site and elevation plat for the proposed well are reflected on the well site layout; Form C-102. The well was staked by Basin Surveys.
- b. All roads into the location are depicted on Exhibit 3.
- c. Directions to Location: From the junction of Hwy 82 and Hilltop, go south on Hilltop 0.1 miles to Empire, on Empire go southwesterly 2.1 miles to Little Diamond, on Little Diamond go westerly 2.3 miles to Chalk Bluff go north 0.6 miles to lease road, on lease road go west 1.2 miles to lease road, go south 1.0 miles to lease road, on lease road go west to proposed location.

2. New or Reconstructed Access Roads:

- a. The well site layout, Form C-102 shows the existing trail road.
- b. The maximum width of the road will be 15'. It will be crowned and made of 6" of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
- d. No cattle guards, grates or fence cuts will be required. No turnouts are planned.

3. Location of Existing Wells:

One Mile Radius Plat shows all existing and proposed wells within a one-mile radius of the proposed location. See attached plat.

4. Location of Existing and/or Proposed Production Facilities:

- a. In the event the well is found productive, the Stirling tank battery would be utilized and the necessary production equipment will be installed at the well site. See Production Facilities Layout diagram.
- b. If necessary, the well will be operated by means of an electric prime mover. Electric power poles will be set along side of the access road.
- c. We intend to lay flowlines from the Condor 7 Federal Com 3H to the Stirling tank battery. All flow lines will adhere to API standards.
- d. If the well is productive, rehabilitation plans are as follows:
 - i. We will be using a closed loop system.
 - ii. The original topsoil from the well site will be returned to the location. The drill site will then be contoured as close as possible to the original state.

5. Location and Types of Water Supply:

This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads shown in the C-102. On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In

these cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.

6. Construction Materials:

All caliche utilized for the drilling pad and proposed access road will be obtained from an existing BLM approved pit or from prevailing deposits found under the location. All roads will be constructed of 6" rolled and compacted caliche. Will use BLM recommended use of extra caliche from other locations close by for roads, if available.

7. Methods of Handling Waste Material:

- a. Drill cuttings will be disposed of in the closed loop system.
- b. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier, including broken sacks, will pick up salts remaining after completion of well.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- e. Remaining drilling fluids will be sent to a closed loop system. Water produced during completion will be put into a closed loop system. Oil and condensate produced will be put in a storage tank and sold.
- f. Disposal of fluids to be transported by the following companies:
 - i. American Production Service Inc, Odessa TX
 - ii. Gandy Corporation, Lovington NM
 - iii. I & W Inc, Loco Hill NM
 - iv. Jims Water Service of Co Inc, Denver CO
- **8. Ancillary Facilities:** No campsite or other facilities will be constructed as a result of this well.

9. Well Site Layout

- a. Exhibit D shows the proposed well site layout with dimensions of the pad layout.
- b. This exhibit indicated proposed location of a closed loop system and living facilities.
- c. Mud pits in the active circulating system will be steel pits & the pit will be a closed loop system.

10. Plans for Surface Reclamation:

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- b. The location and road will be rehabilitated as recommended by the BLM.
- c. If the well is a producer, those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.
- d. If the well is deemed commercially productive, caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not

necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography.

11. Surface Ownership (Use the appropriate A-C option; delete other two)

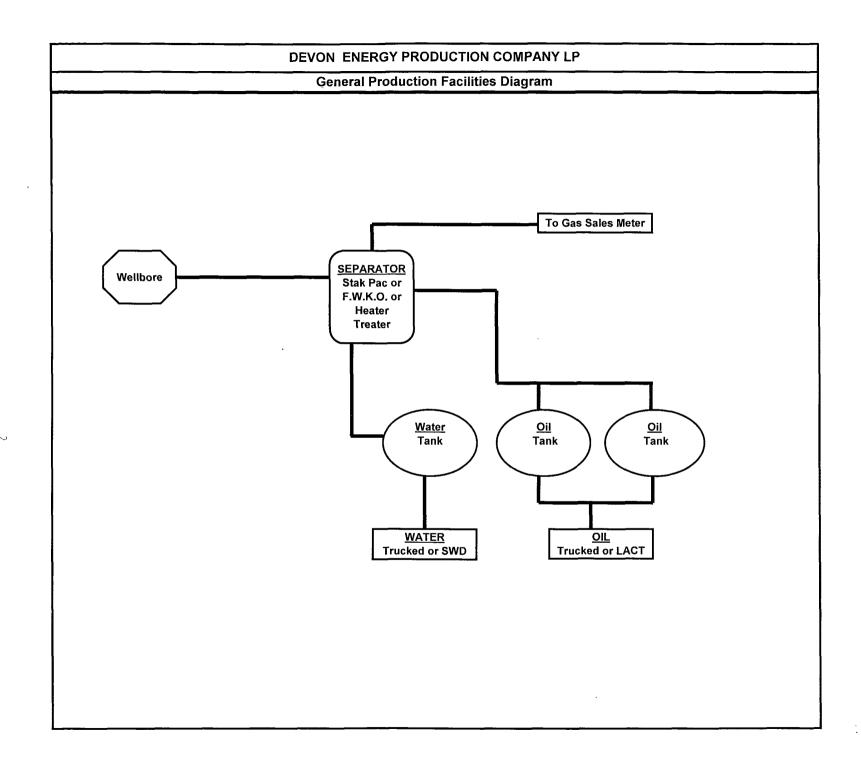
- a. The surface is owned by Kenneth Benally,198 County Road 6700, Waterflow, New Mexico 87421. The surface is multiple use with the primary uses of the region for, the grazing of livestock and the production of oil and gas.
- b. The proposed road routes and the surface location will be restored as directed by the BLM.

12. Other Information:

- a. The area surrounding the well site is grassland. The topsoil is very sandy in nature. The vegetation is moderately sparse, with native prairie grass, sagebrush, yucca and miscellaneous weeds. No wildlife was observed but it is likely that deer, rabbits, coyotes, and rodents traverse the area.
- b. There is no permanent or live water in the general proximity of the location.
- c. There are no dwellings within 2 miles of location.
- d. A Cultural Resources Examination will be completed by Southern New Mexico Archaeological Services, Inc. and forwarded to the BLM office in Carlsbad, New Mexico.

13. Bond Coverage:

Bond Coverage is Nationwide; Bond # is CO-1104



Operators Representative:

The Devon Energy Production Company, L.P. representatives responsible for ensuring compliance of the surface use plan are listed below.

Marcos Ortiz Operations Engineer Don Mayberry Superintendent

Devon Energy Production Company, L.P. 20 North Broadway, Suite 1500 Oklahoma City, OK 73102-8260

Devon Energy Production Company, L.P. Post Office Box 250 Artesia, NM 88211-0250

(405) 552-8152 (office) (405) 317-0666 (Cellular) (505) 748-3371 (office) (505) 746-4945 (home)

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road proposed herein; that I am familiar with the conditions that presently 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 herein 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 Devon Energy Production Company, L.P. 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 false statements.

I hereby also certify that I, or Devon Energy Production Company, L.P. have made a good faith effort to provide the surface owner with a copy of the Surface Use Plan of Operations and any Conditions of Approval that are attached to the APD.

Executed this 27th day of October , 2008.

Printed Name: Norvella Adams

Signed Name: Position Title: Sr. Staff Engineering Technician Address: 20 North Broadway, OKC OK 73102

Telephone: (405) 552-8198

Field Representative (if not above signatory): Robert Bell

Address (if different from above): 6478 Seven Rivers Hwy, Artesia, NM

Telephone (if different from above): 575-748-0178

E-mail (optional): norvella.adams@dvn.com

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	
LEASE NO.:	NM118703
WELL NAME & NO.:	3H-Condor 7 Fed Com
SURFACE HOLE FOOTAGE:	1585' FNL & 2225' FWL .
BOTTOM HOLE FOOTAGE	1650' FNL & 330' FEL
LOCATION:	Section 7, T. 18 S., R 27 E., NMPM
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.

General Provisions
Permit Expiration
Archaeology, Paleontology, and Historical Sites
Noxious Weeds
Special Requirements
Communitization Agreement
Berming
Construction
Notification
Topsoil
Reserve Pit
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
Drilling
☐ Production (Post Drilling)
Well Structures & Facilities
☐ Interim Reclamation
Final Abandonment/Reclamation

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.

V. SPECIAL REQUIREMENT(S)

Communitization Agreement

A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

Berming

The well pad and any collection facilities that are needed will be bermed to contain/control any spills or leaks on the pad that may occur.

VI. 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) 234-5972 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 stockpile the topsoil of the well pad. The topsoil to be stripped is approximately 6 inches in depth. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. RESERVE PITS

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

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. 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. 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 thirty (30) 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.

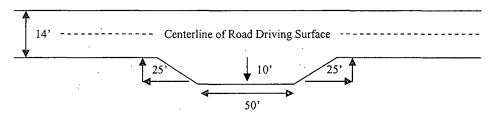
Ditching

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 be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout - Plan View

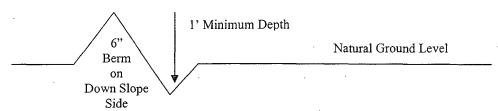


Drainage

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

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road 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 cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

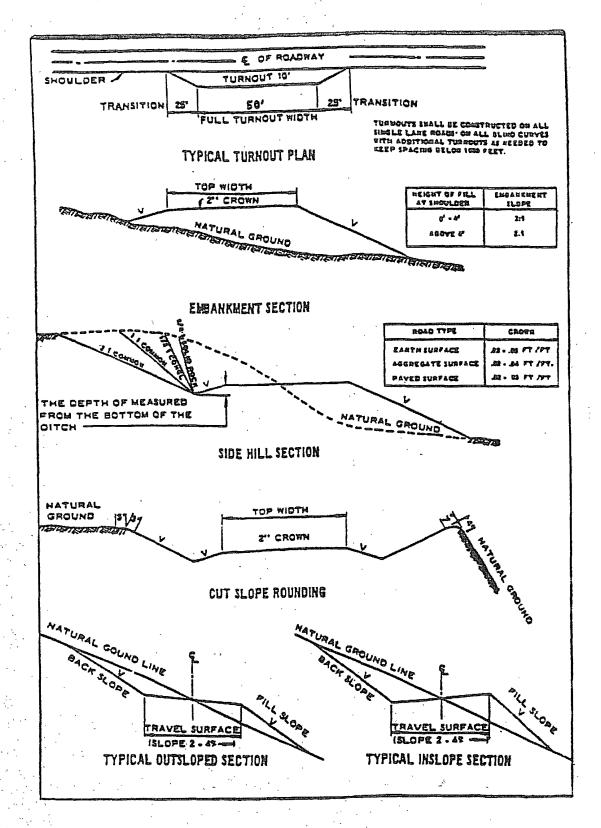
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

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

Figure 1 – Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

Eddy County

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

- 1. A Hydrogen Sulfide (H2S) Drilling Plan should be activated 500 feet prior to drilling into the Grayburg formation. If Hydrogen Sulfide is encountered, please provide measured values 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.
- 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 are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

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

Wait on cement (WOC) time 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. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. 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 lost circulation in the Grayburg and San Andres formations.

- 1. The 9-5/8 inch surface casing shall be set at approximately 410 feet in the Queen formation and cemented to the surface.
 - 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 a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry. Not applicable if proposed cement program is used.
 - 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 7 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 3. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - No cement required operator using Peak system liner. Liner required to tie-back a minimum of 100 feet.
- 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. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.

- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 7" production casing shoe shall be 5000 (5M) psi. A 5M system is required to have a 5M annular.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. 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.
 - d. 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.
 - e. Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.

D. DRILL STEM TEST

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

WWI 011309

VIII. 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.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

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, Munsell Soil Color Chart # 5Y 4/2

VRM Facility Requirement

Low-profile tanks not greater than eight-feet-high shall be used.

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting 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.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions 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 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.

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 <u>no</u> 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	•	<u>lb/acre</u>
A.C.		
Alkali Sacaton (Sporobolus airoides)		1.0
DWS Four-wing saltbush (Atriplex canescens	s)	5.0

DWS: DeWinged Seed

Pounds of seed x percent purity x percent germination = pounds pure live seed (Insert Seed Mixture Here)

^{*}Pounds of pure live seed:

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.