## OCD-ARTESIA

FORM APPROVED Form 3160-3 OMB No. 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES Lease Serial No. DEPARTMENT OF THE INTERIOR NMNM-113963 **BUREAU OF LAND MANAGEMENT** If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No. la. Type of work: ✓ DRILL \_REENTER R-111-POTASH 8. Lease Name and Well No. ✓ Oil Well Gas Well Other ✓ Single Zone Multiple Zone lb. Type of Well: Norkota 19 Fed 3 Name of Operator 9. API Well No. Devon Energy Production Company, LP 4137 30-015. 34424 10. Field and Pool, or Exploratory 3a. Address 20 North Broadway 3b. Phone No. (include area code) Oklahoma City, Oklahoma City 73102-8260 405-552-7802 Forty Niner Ridge Bone Spring Wes RECEIVED 11. Sec., T. R. M. or Blk and Survey or Area 4. Location of Well (Report location clearly and in accordance with any State requirements.\*) 330' FSL & 615' FEL At surface NOV 0 9 2005 Unit P, Sec 19, T23S-R30E At proposed prod. zone 330' FSL & 615' FEL COUPART 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office\* Approximately 23 miles Southeast of Carlsbad, New Mexico. **Eddy County** NM 15. Distance from proposed 17. Spacing Unit dedicated to this well 16. No. of acres in lease location to nearest property or lease line, ft.
(Also to nearest drig. unit line, if any)
330' 160 19. Proposed Depth 20. BLM/BIA Bond No. on file 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 15681 74001 Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start\* 23. Estimated duration 3122' GL 09/20/2005 45 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the 25. Signature Name (Printed/Typed) Stephanie A. Ysasaga 09/26/2005 Title Senior neering Technic Name (Printed/Typed)/ Linda S. C. Rundell Date Approved by (Signature) . Rundell NNV - 1 Title Office STATE DIRECTOR NM STATE 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 1 YEAR 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)

CARLSBAD CONTROLLED WATER BASIN

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

WITNESS: 133/8 and 88 Cement Jobs.

Please refer to revised stips from Blm. 51/2 "casing To be circ. to surface. ATTACHED

Bryon Annat - OCD.

District I 1625 N. French Dr., Hobbs, NM 88240 District III
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

office

## Pit or Below-Grade Tank Registration or Closure

RECEIVED

Form C-144 June 1, 2004

	or below-grade tank 🗵 Closure of a pit or below	
Operator: _Devon Energy Production Company, L.P		ress: Stephanie Ysasaga@dvn.com
Address: P.O. Box 250 Artesia, NM 88211		
Facility or well name: _Norkota 19 Fed 3API #:		
County: _Eddy Latitude _	Longitude	NAD: 1927 🗌 1983 🔲
Surface Owner: Federal 🔯 State 🔲 Private 🔲 Indian 🗍	·	
Pit	Below-grade tank	
[ype: Drilling   Production   Disposal	Volume:bbl Type of fluid:	
Workover	Construction material:	
Lined 🛮 Unlined 🗌	Double-walled, with leak detection? Yes 🔲 It	fnot, explain why not.
Liner type: Synthetic M Thickness 12_mil Clay		
Pit Volumebbl		
D-01-1	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal	50 feet or more, but less than 100 feet	(10 points)
nigh water elevation of ground water)	100 feet or more	( 0 points)
	Yes	(20 points)
Wellhead protection area: (Less than 200 feet from a private domestic	No	( 0 points)
water source, or less than 1000 feet from all other water sources.)	140	( v points)
Distance to surface uniter. (horizontal distance to all watlands places	Less than 200 feet	(20 points)
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	( 0 points)
		4
	Panking Seare (Total Paints)	
	Ranking Score (Total Points)	
this is a pit closure: (1) Attach a diagram of the facility showing the pit		dicate disposal location: (check the onsite box if
	t's relationship to other equipment and tanks. (2) Ir	· ·
our are burying in place) onsite [ offsite [ If offsite, name of facility_	t's relationship to other equipment and tanks. (2) Ir	ral description of remedial action taken including
our are burying in place) onsite  offsite  for If offsite, name of facility_mediation start date and end date. (4) Groundwater encountered: No	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  If offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  If offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  If offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  If offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  If offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  If offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
This is a pit closure: (1) Attach a diagram of the facility showing the pit our are burying in place) onsite offsite offsite, name of facility emediation start date and end date. (4) Groundwater encountered: No offsite offsite, name of facility emediation start date and end date. (4) Groundwater encountered: No offsite offsite, name of facility emediation start date and end date. (4) Groundwater encountered: No offsite offsite, name of facility emediation start date and end date. (4) Groundwater encountered: No offsite offsite, name of facility showing the pit our are burying in place) on site of facility showing the pit our are burying in place) on site of facility showing the pit our are burying in place) on site of facility.	's relationship to other equipment and tanks. (2) Ir  (3) Attach a general Yes If yes, show depth below ground surface	ral description of remedial action taken including
our are burying in place) onsite  offsite  forfsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:	Yes If yes, show depth below ground surface_ations.	ral description of remedial action taken including  ft. and attach sample results.
our are burying in place) onsite  offsite  for ffsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:	t's relationship to other equipment and tanks. (2) In (3) Attach a generations.  Yes	ral description of remedial action taken includingft. and attach sample results
our are burying in place) onsite  offsite  for ffsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:	t's relationship to other equipment and tanks. (2) In (3) Attach a generations.  Yes	ral description of remedial action taken includingft. and attach sample results
pur are burying in place) onsite  offsite  for formation of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:  Thereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideling Date:09/13/05	t's relationship to other equipment and tanks. (2) Ir  (3) Attach a generations.  If yes, show depth below ground surface ations.	ral description of remedial action taken includingft. and attach sample results
our are burying in place) onsite  offsite  formation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:  I hereby certify that the information above is true and complete to the beshas been/will be constructed or closed according to NMOCD guideling Date:09/13/05	t's relationship to other equipment and tanks. (2) Ir  (3) Attach a generations.  If yes, show depth below ground surface ations.	ral description of remedial action taken includingft. and attach sample results
our are burying in place) onsite  offsite  for offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:	t's relationship to other equipment and tanks. (2) Ir  (3) Attach a general yes. If yes, show depth below ground surface ations.  It of my knowledge and belief. I further certify the les., a general permit (2), or an (attached) altered attached attached.  In Signature	at the above-described pit or below-grade tank remative OCD-approved plan
our are burying in place) onsite  offsite  formation start date and end date. (4) Groundwater encountered: No  Attach soil sample results and a diagram of sample locations and excave Additional Comments:  I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideling Date:09/13/05	t's relationship to other equipment and tanks. (2) Ir  (3) Attach a general yes. If yes, show depth below ground surface ations.  It of my knowledge and belief. I further certify the les., a general permit (2), or an (attached) altered attached attached.  In Signature	at the above-described pit or below-grade tank remative OCD-approved plan

## **Additional Operator Remarks:**

Devon Energy Production Company, LP proposes to drill a Forty Niner Ridge Bone Spring West well to7400' for commercial quantities of oil and gas. If the well is deemed noncommercial, the wellbore will be plugged and abandoned per Federal regulations. Devon Energy Production Co., LP plans to drill the well per the currently attached Drilling and Surface Use Plan.

**Directions:** Go east of Carlsbad on Highway 62-180 to State Road 31. Turn south on 31 and to Highway 128 (Jal Highway). Turn east on 128 and go approx. 4 miles to Rawhide Road (CR-793), Mississippi Potash Mine Shaft #5 here. Turn right on Rawhide Road and go and go approx. 3.4 miles. Turn left here on county road and go east for approx. 2 of a mile. The county road goes to the south here but continue east on lease road for approx. 2 of a mile. Turn south here and follow lease road south for .1 if a mile to cattleguard on the left. Turn left here and go east for approx .2 of a mile to Maralo's Gold Rush 30 Federal #6 well location. The new road will start here from the southeast corner of the #6 well pad.

## **Other Operator Remarks:**

Well was previously APD'd by Yates Petroleum 5/03/04 and approved by the BLM on 06/22/04. Initial name was Baetz BDU Federal #3, API # 30-015-33487. APD was cancelled due to lease expiration. Devon Energy Production Co., LP presently owns the lease and will be drilling same exact location

## H2S:

No H2S is expected to be encountered.

Revised March 17, 1999 Instruction on back Submit to Appropriate District Office

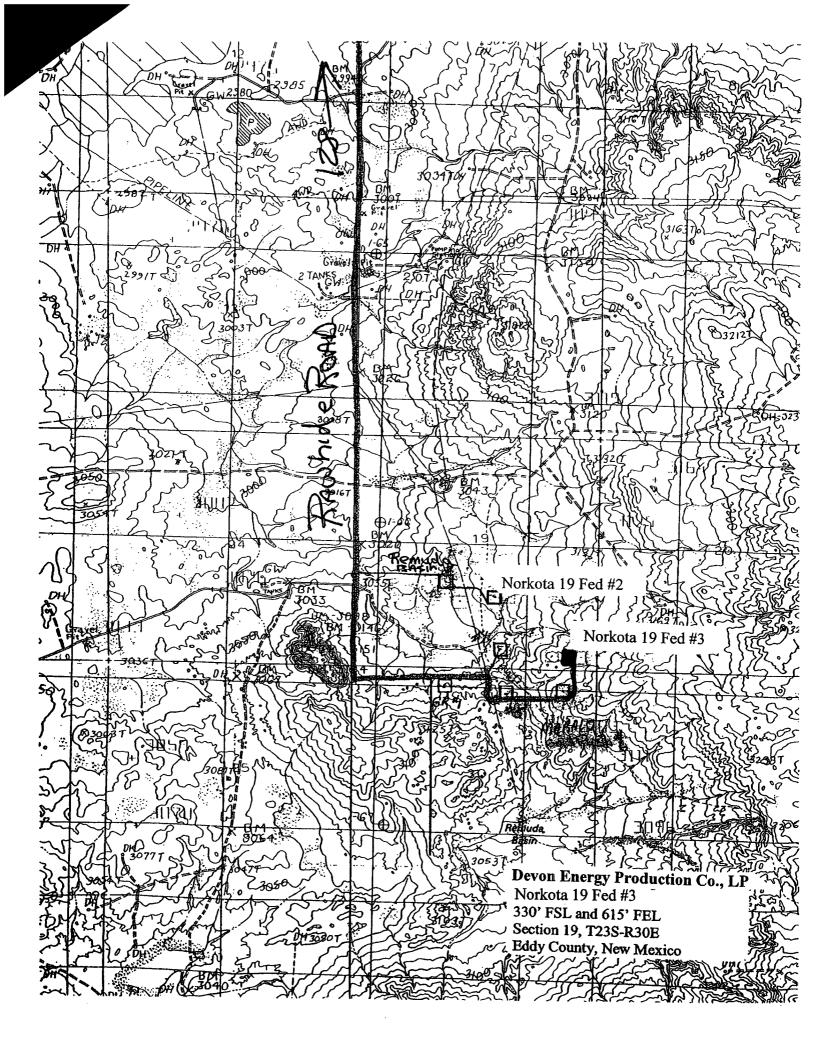
State Lease - 4 Copies For Lease - 8 Copies

DISTRICT II
1000 No Brazos Rd., Astec, NM 87410
DISTRICT IV
2040 South Pachooo, Santa Fo, NM 87605

# OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

C AMENDED REPORT

					AND ACID	AGE DEDICATI			
API (	Number	umber Pool Code			_	andres Miles with	Pool Name	1 m as 177 1	
Property C	'ada	<u> </u>	Forty Niner Ridge Bone Spr Property Name					ing West	ımher
trobard (	~0€				Norkota 19 Fe			3	arm <b>yd</b> f
OGRID No	<u></u>	ļ	·····	<del></del>	Operator Na			Eleva	Lion
6137	•	]		D	•	oduction Co., LP		3122	
		L	····		Surface Loc				
L or lot No.	Section	Township	Renge	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	Count
P	19	235	30E		330	SOUTH	615	EAST	EDDY
		1	1	<u> </u>	<u> </u>	1	<u> </u>	1	
L or let No.	Section	Township	<del></del>	Lot Idn	Poet from the	erent From Sur	Tace Feet from the	Rost/West line	Count
L of lat No.	94641011	10WH4H1P	Range	LOT KEE	Lest Hom the	Hartin/South line	Feet Hom the	Busty west line	Count
Dedicated Acres	Joint o	r infill Co	nsolidation	Code Or	der No.	<u> </u>		L	L
40		}							
NO ALLO	WADIE 1		COLONED	TO TOUTO	COMPLETION	INTELL ATT INTERNI	DECANO MAND DI	TEN CONSOLID	4 TPD
NO ALLO	MABLE					UNTIL ALL INTEI APPROVED BY		SEN CONSOLLO	AIED
				ļ	1		OPERATO	R CERTIFICAT	MOIT
				ļ	i		/ heret	y certify the the to	formatio
•				1				n to true and comp	ele la Ch
							Sees of the see	mindoo and belief	
							$\parallel \parallel \wedge \wedge$		
	ļ			<u> </u>			$\mathbb{N} = \mathbb{Z} \mathbb{Z}$	(KL) / .	
				<u> </u>			Sientertur	11	<del></del>
	,						///Ster	hanie A, X sasa	ga
				1			Printyd Nam	,	
								ngineering Tech	nician
				<b>\</b>	1	•	Title	09/13/05	
								09/13/03	
							Date		
					Ì		SURVEY	R CERTIFICAT	MOI
, <u>, , , , , , , , , , , , , , , , , , </u>				1			1		•
								y that the well local as plotted from fiel	
	~						D 4	made by me er	
								nd that the same () is best of my bold	
					Ĭ				<b>y-</b>
								4/30/2004	
					1		Date Survey	nd .	<del></del>
				<del> </del>			Signature & Professional	Egal of	
<del></del>		Ī				N.32°17'02.6" W.103°54'51.3"		MEXIC	
* *************************************		i e						レッドス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・	
***************************************						いルンフフスタ		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
***************************************					[	UM~27729 3103 3183	le bil		)
						0M-27729 3103 3123	le bil	648	
						3103 3123		648	RIST
**************************************	•					3103 3123	Chillippia	648 ) 5	RLS 3
	-					3103 3123	Chillippia	648	RLS 3



## **Devon Energy Production Co., LP**

Norkota 19 Fed #3 330' FSL & 615' FEL Section 19-T23S-R30E Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

Top of Salt	340'
Base of Salt	3320
Bell Canyon	3340'
Cherry Canyon	4160'
Brushy Canyon	<i>5</i> 470°
Bone Spring Lime	7070'
TD	7400'

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approx 150'

Oil or Gas: 5129' to7400'

3. Pressure Control Equipment: BOPE will be installed on the 13 3/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

## Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig door in the open position at all times for use when kelly is not in use.
- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
  - A. Casing Program: (All New)

Casing Size 13 3/8" 8 5/8" 5 1/2"	Wt./Ft 48# 32# 15.5#	<u>Grade</u> H-40 J-55 J-55	Coupling ST&C ST&C LT&C	Interval 0-440' 0-3 <del>20</del> 0' 0-7400'	44O,	85/8"CSG must be set between 3400-3900'. LBabyak 9/21/08
	13 3/8" 8 5/8"	13 3/8" 48# 8 5/8" 32#	13 3/8" 48# H-40 8 5/8" 32# J-55	13 3/8" 48# H-40 ST&C 8 5/8" 32# J-55 ST&C	13 3/8" 48# H-40 ST&C 0-14-0' 8 5/8" 32# J-55 ST&C 0-3200'	13 3/8" 48# H-40 ST&C 0-440' 440' 8 5/8" 32# J-55 ST&C 0-3200' 3200'

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

## B. CEMENTING PROGRAM:

Surface casing: 250 sx Lite (YLD 1.96 WT.12.5); Tail in w/ 200 sx Class "C" + 2% CaCl2 (YLD 1.34 WT 14.8).

Intermediate Casing: Lead w/ 650 sx Lite (YLD 2.5 WT 11.9); Tail in w/ 250 sx "C" + 2% CaCl2 (YLD 1.34 WT. 14.8)

Production Casing: Stage I: TOC 5300' Lead w/ 450 sx Super H (YLD 16.7 WT 13.0)

Tail in w/ 50 sx Thixotropic (YLD 1.4 WT 14.4).

Stage II: Lead w/ 450 sx Lite (YLD 2.5 WT 11.9); Tail in w/ 50 sx Premium (YLD 1.3 WT 14.8)

## 5. Mud Program and Auxiliary Equipment:

Interval	Туре	Weight	<b>Viscosity</b>	Fluid Loss
0-350'	FW/Native Mud	8.6-9.2	28-36	N/C
350'-3200'	Brine	10-10.2	28	N/C
3200'-7000'	Cut Brine	8.6-9.1	28	N/C
7000'-7400'	Cut Brine/Starch	8.6-9.1	28-32	<15cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

## **6. EVALUATION PROGRAM**:

Samples: 10 samples out from under surface casing.

Logging: CNL/LDT TD to casing; GR w/CNL to Surface; DLL x/RXO TD to casing.

Coring: None Anticipated.
DST's: As warranted.

## 7. Abnormal Conditions, Bottom hole pressure and potential hazards:

Anticipated BHP:

P 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4							
From:	О	TO:	350'	Anticipated Max.	BHP:	175	PSI
From:	350°			Anticipated Max.			PSI
From:				Anticipated Max.			

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 198 F

## 8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 20 days to drill the well with completion taking another 15 days.

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN Devon Energy Production Co., LP

Norkota 19 Fed #3 330' FSL & 615' FEL Section. 19-T23S-R30E Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

## 1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 23 miles southeast of Carlsbad, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

## **DIRECTIONS:**

Go east of Carlsbad on Highway 62-180 to State Road 31. Turn south on 31 and to to Highway 128 (Jal Highway). Turn east on 128 and go approx. 4 miles to Rawhide Road (CR-793), Mississippi Potash Mine Shaft #5 here. Turn right on Rawhide Road and go and go approx. 3.4 miles. Turn left here on county road and go east for approx. .2 of a mile. The county road goes to the south here but continue east on lease road for approx. .2 of a mile. Turn south here and follow lease road south for .1 of a mile to cattleguard on the left. Turn left here and go east for approx. .2 of a mile to Maralo's Gold Rush 30 Federal #6 well location. The new road will start here from the southeast corner of the #6 well pad.

## 2. PLANNED ACCESS ROAD.

- A. The proposed new access will be approximately .1 of a mile going east then north to the southeast corner of the drilling pad. The road will lie in a east then north direction..
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Traffic turnouts may be built.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.

## 3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

#### LOCATION OF EXISTING AND/OR PROPOSED FACILITIES 4.

There are production facilities on this lease at the present time. A.

In the event that the well is productive, the necessary production facilities will be installed on the B. drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

#### LOCATION AND TYPE OF WATER SUPPLY: 5.

It is planned to drill the proposed well with a fresh water system. The fresh water will be Α. obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

#### 6. SOURCE OF CONSTRUCTION MATERIALS:

Dirt contractor will locate closest pit and obtain any permits and materials needed for construction.

#### METHODS OF HANDLING WASTE DISPOSAL: 7.

Drill cuttings will be disposed of in the reserve pits. A.

В. Drilling fluids will be allowed to evaporate in the reserve pits until the

pits are dry.
Water produced during operations will be collected in tanks until hauled to an approved disposal C. system, or separate disposal application will be submitted.

Oil produced during operations will be stored in tanks until sold. D.

Current laws and regulations pertaining to the disposal of human waste will be complied with. E.

All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.

#### ANCILLARY FACILITIES: None 8.

#### 9. WELLSITE LAYOUT:

- Exhibit C shows the relative location and dimensions of the well A. pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- The reserve pits will be plastic lined and will face to the north. В.
- C. A 600' x 600' area has been staked and flagged.

#### 10. PLANS FOR RESTORATION

A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.

Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled. В.

C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level after they have evaporated and dried.

11. SURFACE OWNERSHIP: Federal surface, Administered by the Bureau of Land Management, Carlsbad, New Mexico.

## 12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

## 13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

B. Through Drilling Operations, Completions and Production:

Stephanie A. Ysasaga Devon Energy Corporation 20 North Broadway OKC, OK 73102 Phone: (405)-552-7802

Jim Blount, Operations Engineer Devon Energy Corporation 20 North Broadway OKC, OK 73102

## 14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

09/12/05

Senjor Engineering Technician

# Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTERS

## Devon Energy Production Company, LP

## Norkota 19 Fed 3

Surface Location: 330' FSL & 615' FEL, Unit P Sec 19 T23S R30E, Eddy, NM Bottom hole Location: 330' FSL & 615' FEL, Unit P Sec 19 T23S R30E, Eddy, NM

- 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 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 operation.
- 10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
- 11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

## UNITED STATES DEPARTMENT OF THE INTERIOR

# Bureau of Land Management Roswell Field Office 2909 West Second Street Roswell, New Mexico 88201-1287

## Statement Accepting Responsibility for Operations

**Devon Energy Production Company, LP** 

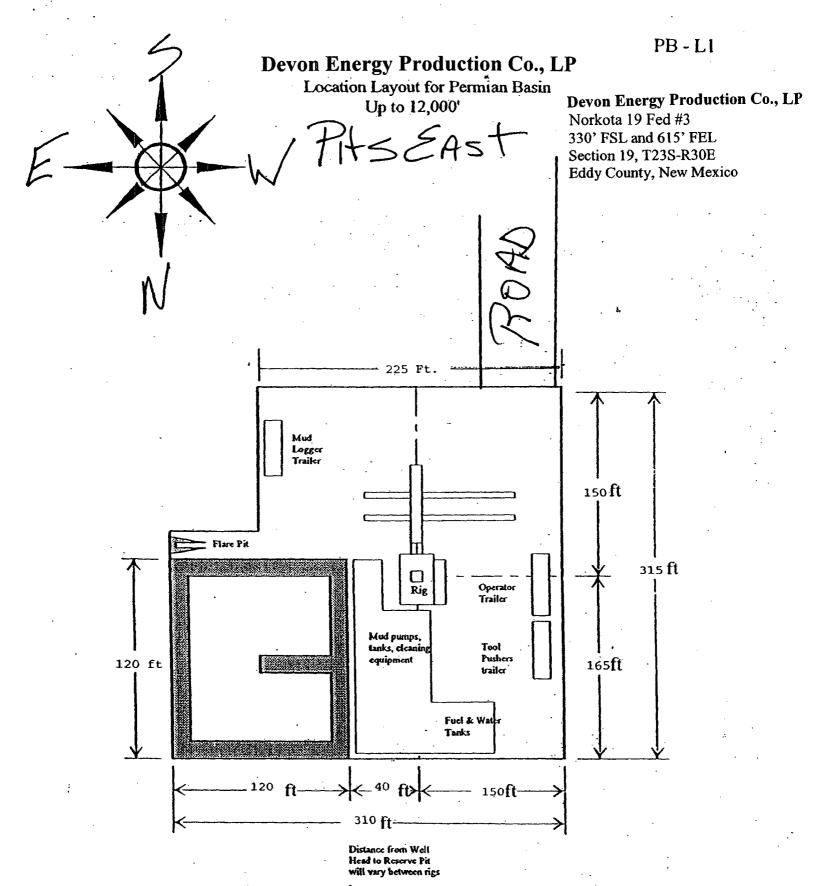
Street or Box: City, State: Zip Code:	20 North Broadway, Suite 1500 Oklahoma City, Oklahoma 73102-8260
	oplicable terms, conditions, stipulations and restrictions concerning eased land or portion thereof, as described below.
Lease No.:	NM-27729
Legal Description of Land:	40 acres 19-T23S-R30E
Formation(s):	Forty Niner Ridge Bone Spring West
Bond Coverage:	
BLM Bond File No.:	Nationwide CO-1104
Authorized Signature:	Stephanie A. Ysasaga
Title:	Senior Engineering Technician
Date:	09/12/05

Operator Name:

## **HYDROGEN SULFIDE DRILLING OPERATIONS PLAN**

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H2S safety instructor to the following:
  - a. Characteristics of H2S
  - b. Physical effects and hazards
  - c. Proper use of safety equipment and life support systems.
  - d. Principle and operation of H2S detectors, warning system and briefing areas
  - e. Evacuation procedures, routes and first aid.
  - f. Proper use of 30-minute pressure demand air pack.
- 2. H2S Detection and Alarm System
  - a. H2S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or wind streamers
  - a. Windsock at mud pit area should be high enough to be visible
  - b. Windsock at briefing area should be high enough to be visible
  - c. There should be a windsock at entrance to location
- 4. Condition Flags and Signs
  - a. Warning Sign on access road to location
  - b. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H2S present in dangerous concentration. Only emergency personnel admitted to location.
- 5. Well Control Equipment
  - a. See Exhibit "E" & "E-1"
- 6. Communication
  - a. While working under masks chalkboards will be used for communication.
  - b. Hand signals will be used where chalk board is inappropriate
  - c. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephones will be available at most drilling foreman's trailer or living quarters.
- 7. Drill stem Testing
  - a. Exhausts will be watered
  - b. Flare line will be equipped with an electric igniter or a propane pilot light in case gas reaches the surface.
  - c. If the location is near to a dwelling a closed DST will be performed.
- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.

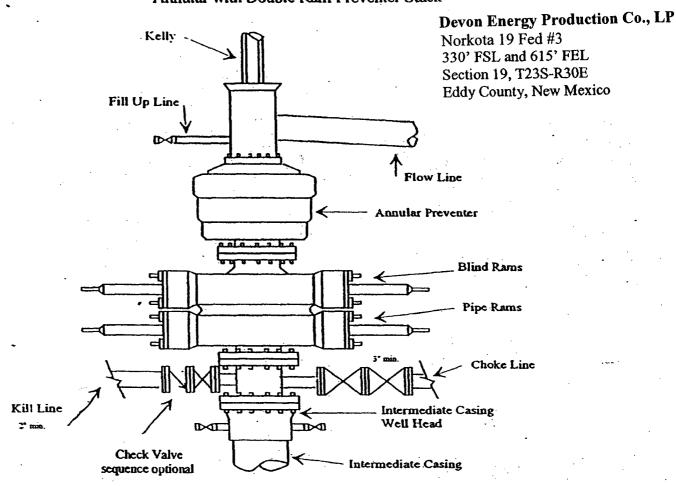
If H2S is encountered, mud system will be altered if necessary to maintain control or formation. A mud gas separator will be brought into service along with H2S scavengers if necessary.



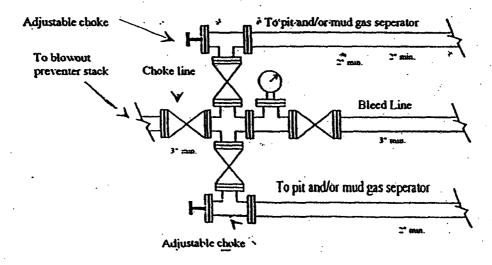
The above dimension should be a maximum

## **Devon Energy Production Co., LP**

Typical 3.000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack



Typical 3,000 psi choke manifold assembly with at least these minimun features



## CONDITIONS OF APPROVAL - DRILLING

Well Name & No.

3 - NORKOTA 19 FEDERAL

Operator's Name:

DEVON ENERGY PRODUCTION COMPANY, LP

Location:

330' FSL & 615' FEL - SEC 19 - T23S - R30E - EDDY COUNTY

NM-113963

## I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlebad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 234-5909 or (505) 361-2822 (After hours) - for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

## A. Spudding

B. Cementing casing: 13-3/8 inch 8-5/8 inch 5-1/2 inch

### C. BOP tests

- 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. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing ( size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.
- 5. Gamma-Ray/Neutron logs shall be run from the base of the Salado Formation to the surface; cable speed not to exceed 30 feet per minute.

## II. CASING:

- 1. The 13-3/8 inch surface casing shall be set at 440 feet, below usable water and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the 8-5/8 inch salt protection casing is circulate cement to the surface. The 8-5/8 inch easing must be set between 3400 and 3000 feet (base/salt=3300 feet) according to R-111-P Order.
- 3. The minimum required fill of cement behind the  $\frac{5-1/2}{2}$  inch production casing is <u>circulate cement to the</u> surface.
- 4. Whenever a casing string is cemented in the R-111-P Potash Area, cement shall be allowed to stand a minimum of twelve (12) hours under pressure and a total of twenty-four (24) hours before drilling the plug or initiating tests.

## III. PRESSURE CONTROL:

11:03am

- 1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 3-3/8 inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment falling to test satisfactorily shall be repaired or replaced.
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) is 2000 psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.

- The tests shall be done by an independent service company.

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

- Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.

- Testing must be done in a safe workman-like manner. Hard line connections shall be required.