

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
EXPIRES: March 31, 2007

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		AUG 02 2007	5. Lease Serial No. NM-NM84B
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		OCD-ARTESIA	6. If Indian, Allottee or Tribe Name
3a. Address 20 North Broadway, Ste 1500, Oklahoma City, OK 73102	3b. Phone No. (include area code) 405-552-4615		7. Unit or CA Agreement Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1320' FSL 2323' FWL 20 T21S R26E			8. Well Name and No. Arco 20 Federal Com 2
			9. API Well No. 30-015-30599
			10. Field and Pool, or Exploratory Area Brushy/Cherry Canyon; Delaware
			11. County or Parish, State Eddy NM

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

- see COA*
1. MIRU. RIH to 3055' PBD and circulate wellbore w/ 9.5 ppg salt gelled mud.
 2. Spot 25 Sx cement plug at 2171'. WOC 4 hrs and tag. Calc. TOC at 222'. (9-5/8" casing shoe at 2121')
 3. Spot 25 Sx cement plug at 501'. WOC 4 hrs and tag. Calc. TOC at 352'. (13-3/8" casing shoe at 451')
 4. Perf sqz holes at 60'. Set a 60' surface plug, inside and out on 7" casing (18 Sx).
 5. Cut wellhead off 3' below ground level. Set dry hole marker.
 6. Clean & restore location.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

**Accepted for record
NMOCD**

14. I hereby certify that the foregoing is true and correct		Title Engineering Technician	
Name: Ronnie Slack	Date 7/23/07		
Signature <i>Ronnie Slack</i>	Date 7/23/07		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by	Title		Date
Conditions of approval, if any are attached. Approval of this notice 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 or operations thereon.		Office	

APPROVED

JUL 31 2007

Wesley W. Ingram
**WESLEY W. INGRAM
PETROLEUM ENGINEER**

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

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Arco 20 Federal Com #2		Field: AVALON	
Location: Sec 20-215-26E, 1320' FSL & 2323' FWL		County: Eddy	State: NM
Elevation: GL 3449', KB 3461'		Spud Date: 05/12/99	Compl Date: 10-8-99
API#: 30-015-30599	Prepared by: Ronnie Slack	Date: 7/23/07	Rev:

PROPOSED PLUG & ABANDONMENT

17-1/2" hole

13-3/8", 48#, H40, ST&C, @ 451'

Cmt'd w/437 sxs to surface

12-1/4" hole

9-5/8", 36#, J55, LT&C, @ 2121'

Cmt'd w/910 sxs to surface

BRUSHY CANYON (6/21/07) (4 spf, 120°)

3140' - 3146'

3158' - 3165'

3175' - 3180'

6/22/07 acidized 3140-3180 w/1000 gals 7 5% HCl, Avg 6 bpm, 1600#

BRUSHY CANYON (6/19/07) (4 spf, 120°)

3780' - 3788'

3866' - 3877'

3882' - 3886'

6/20/07 acidized 3780-3886 w/1000 gals pentol, Avg 5 bpm, 1700#

CANYON

9553' - 9563'

9632' - 9646'

STRAWN

9897' - 9903'

MORROW

10435' - 10439'

10445' - 10448'

MORROW

11042' - 11046'

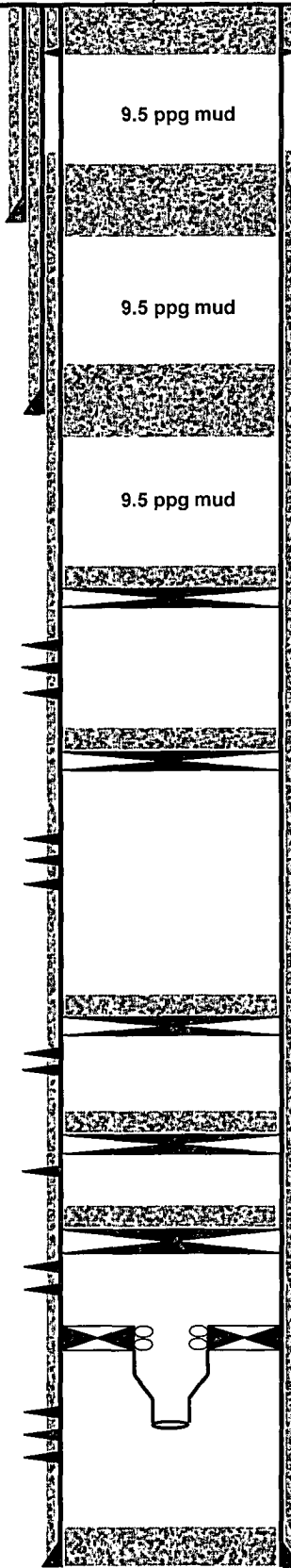
11094' - 11100'

11158' - 11169'

8-3/4" hole

7", 23# J55 & 26# L80, @ 11320'

Cmt'd w/2125 sxs. TOC @ 320'. (CBL)



Proposed:

1. Perf sqz holes at 60' and set a 60' surface plug inside & out on 7" casing (18 Sx)
2. Cut wellhead off 3' BGL. Clean & restore location

Proposed:

1. Spot 25 Sx cement plug at 501'
2. WOC 4 hrs. Tag TOC. Calc. TOC at 352'

Proposed:

1. Spot 25 Sx cement plug at 2171'
2. WOC 4 hrs. Tag TOC. Calc. TOC at 2022'

Proposed:

1. Circulate wellbore w/9.5# salt gelled mud

35' cement. 3055' PBD
CIBP @ 3090' (6/26/07)

35' cement
CIBP @ 3250' (6/21/07)

35' cement on top
CIBP @ 9520' (9-29-05)

35' cement on top
CIBP @ 9860' (9-29-05)

35' cement on top
CIBP @ 10400' (9-29-05)

Baker Model "D" @ 10905'

- 4-1/2" x 2-3/8" xo
- 10', 2-3/8" sub
- F" Nipple, 1.81" profile, @ 10919'
- 10', 2-3/8" sub
- F" Nipple, 1.81" profile, @ 10931'
- 6' sub, w/l re-entry guide

PBD @ 11272'

TD @ 11321'

Accepted for record
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DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Arco 20 Federal Com #2		Field: AVALON	
Location: Sec 20-21S-26E, 1320' FSL & 2323' FWL		County: Eddy	State: NM
Elevation: GL 3449', KB 3461'		Spud Date: 05/12/99	Compl Date: 10-8-99
API#: 30-015-30599	Prepared by: Ronnie Slack	Date: 7/23/07	Rev:

CURRENT SCHEMATIC

17-1/2" hole
13-3/8", 48#, H40, ST&C, @ 451'
 Cmt'd w/437 sxs to surface

12-1/4" hole
9-5/8", 36#, J55, LT&C, @ 2121'
 Cmt'd w/910 sxs to surface

BRUSHY CANYON (6/21/07) (4 spf, 120°)
 3140' - 3146'
 3158' - 3165'
 3175' - 3180'

6/22/07: acidized 3140-3180 w/1000 gals 7.5% HCl, Avg 6 bpm, 1600#

BRUSHY CANYON (6/19/07) (4 spf, 120°)
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 3882' - 3886'

6/20/07: acidized 3780-3886 w/1000 gals pentol, Avg 5 bpm, 1700#

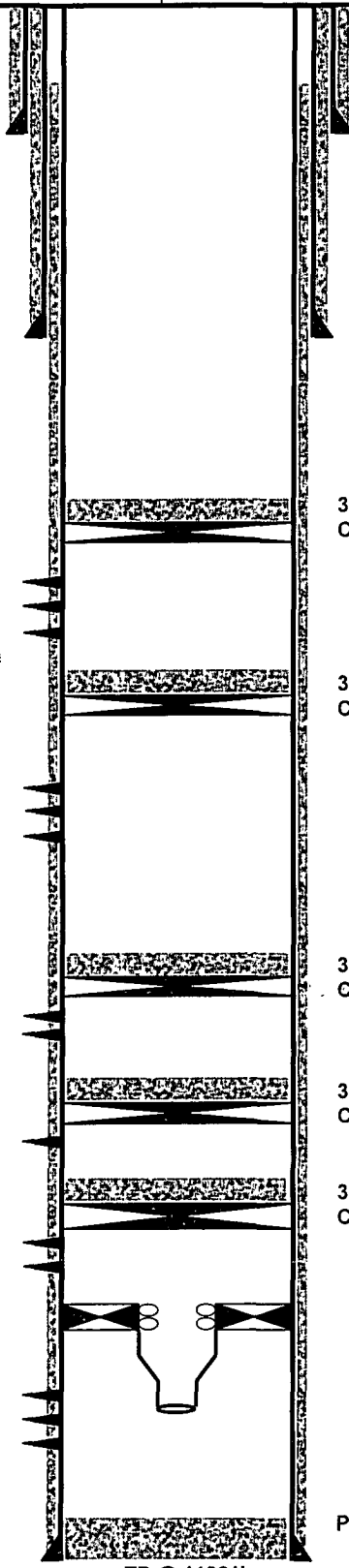
CANYON
 9553' - 9563'
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STRAWN
 9897' - 9903'

MORROW
 10435' - 10439'
 10445' - 10448'

MORROW
 11042' - 11046'
 11094' - 11100'
 11158' - 11169'

8-3/4" hole
7", 23# J55 & 26# L80, @ 11320'
 Cmt'd w/2125 sxs TOC @ 320'. (CBL)



35' cement. 3055' PBD
 CIBP @ 3090' (6/26/07)

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Baker Model "D" @ 10905'
 4-1/2" x 2-3/8" xo
 10', 2-3/8" sub
 F" Nipple, 1.81" profile, @ 10919'
 10', 2-3/8" sub
 F" Nipple, 1.81" profile, @ 10931'
 6' sub, w/l re-entry guide

PBD @ 11272'

TD @ 11321'

Accepted for record
 NMOCD

**Arco 20 Federal Com 2
Devon Energy Production Company, LP
July 31, 2007
Plug and Abandonment
Conditions of Approval**

1. CIBPs at 3090' and 3250' must be drilled out due to inadequate plugs below CIBP at 3250'.
 - a. Plug required at top of Wolfcamp at 8400'. Plug to be set at 8450' and be 185' in length, minimum of 25 sacks.
 - b. Plug required due to spacing requirement of no more than 3000' between plugs in casing. Set plug at approximately 6500'. Plug to be 165' in length, minimum of 25 sacks.
 - c. Plug required at top of Bone Spring at 4549'. Plug to be set at 4600' and be 150' in length, minimum of 25 sacks.
 - d. Replace plugs for Brushy Canyon or pump sufficient cement to extend 50' below lowest perforation at 3886' and 50' above highest perforation at 3140' (approximately 145 sacks). If cement is pumped, plug is to be tagged.
2. Plug to be extended to top of Delaware at 2341'. Plug to be set at 2400' and include shoe plug. Tag plug at 2060' or shallower.
3. Geological report when well was drilled indicated fresh water to 650'. Plug to be extended to cover this depth inside the casing (approximately 50 sacks). Tag plug at 390' or shallower.
4. Minimum 25 sack plug per NMOCD guidelines.
5. Ok
6. Ok

WWI 073107

**Accepted for record
NMOCD**

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
505-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 505-627-0272; Eddy County, call 505-361-2822; Lea County, call 505-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C", for up to 7,500 feet of depth, mixed at 14.8 lbs/gal with 6.3 gallons of fresh water per sack or class "H", for deeper than 7,500 feet plugs, mixed at 16.4 lbs/gal with 4.3 gallons of fresh water per sack.

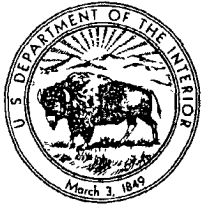
6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

Accepted for record
NMOCD



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220

Interim Reclamation Procedures for Permanently Abandoned Federal Wells

1. After Subsequent Report of Abandonment, Form 3160-5, is filed and approved by the BLM the surface protection specialist (SPS) will conduct a surface inspection of the abandonment. The SPS will establish the reclamation requirements the operator will need to complete. **DO NOT START RECLAMATION UNTIL THE SPS HAS INSPECTED THE LOCATION.**

2. The reclamation requirements will be given to an environmental protection specialist (EPS). The EPS will issue the operator a Notice of Written Order outlining the reclamation requirements. **DO NOT START RECLAMATION UNTIL A NOTICE OF WRITTEN ORDER FOR RECLAMATION HAS BEEN RECEIVED.** The EPS will be responsible for all further abandonment work and inspections.

3. **Notification: CONTACT THE EPS 3 DAYS PRIOR TO RECLAMATION WORK.** This notification gives the EPS an opportunity to discuss by phone or on location the reclamation requirements, any special concerns and the timeframes. It also allows the EPS an opportunity to witness various aspects of the reclamation work to determine if an adequate seedbed has been prepared and all reclamation requirements have been completed. **CONTACT THE EPS AT LEAST 3 DAYS PRIOR TO SEEDING.** This allows the EPS to witness the seeding operation to make sure the location is seeded properly and with the appropriate seed mixture. **DO NOT START RECLAMATION UNTIL THE EPS HAS BEEN NOTIFIED.**

4. After reclamation work has been completed, submit the **I & E copy of the Notice of Written Order** to the BLM. It will need to be signed by a company representative and dated. Also submit one original and five copies of the **Final Abandonment Notice, Form 3160-5.** The report should state that all reclamation work has been completed, and the location is ready for a final abandonment inspection.

5. The BLM will continue to monitor the location to ensure the location vegetates successfully, and salts from the reserve pit do not leach to the surface. The location will be monitored until such time as vegetation (20%) is established evenly across the location (including the reserve pit and access road). Once EPS determines that vegetation (20%) is evenly spread across the location, final abandonment will be authorized.

If there are any questions please feel free to contact any of the following:

Jim Amos
Supervisory Environmental Protection Specialist
(505) 234-5909

Barry Hunt
Surface Protection Specialist
(505) 234-5965

Todd Suter
Surface Protection Specialist
(505) 234-5987

Trishia Bad Bear
Natural Resource Specialist – Lea County
(505) 393-3612

Cody Layton
Natural Resource Specialist
(505) 234-5959

Paul Evans
Environmental Protection Specialist
(505) 234-5977

Terry Gregston
Environmental Protection Specialist
(505) 234-5958

**Accepted for record
NMOCD**

10/18/2006