Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APROVED
OMB NO. 1004-0135
EXPIRES: NOVEMBER 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
APR 20 2010
NMOCD ARTESIA

1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NM-77046
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 20 North Broadway, Ste 1500, Oklahoma City, OK 73102 405-235-3611	7. Unit or CA Agreement Name and No.
4. Location of Well (Report location clearly and in accordance with Federal requirements)* 1980' FNL 1980' FWL Sec 9 T23S R31E	8 Well Name and No. North Pure Gold 9 Federal 7
	9. API Well No. 30-015-27515
	10. Field and Pool, or Exploratory Los Medanos; Delaware
	12. County or Parish Eddy 13. State NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OS SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Add Pay
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 deepen directionally or recomplete 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)

Devon Energy Production Company L.P. respectfully submits the following procedures to add pay in the Cherry Canyon.

1. MIRU PU. NU BOP. Test to 2500#. LH w/ 2% KCL & PT CIBP.
2. MIRU WL. Perf Cherry Canyon @ 3 spf: 6506-11'; 6515-17'; 6524-26'; 6530-32';6552-54';6915-17; 6919-21':Total 51 shots.
3. RD WL. RIH w/ tbg & pkr. Set pkr @ 6840'.
4. RU BJ. Acidize 6915-21' w/ 2K g 7 1/2% Pentol 200 w/ 24 BS.
5. Rlse pkr & set at original depth. Swab.
6. RU BJ & frac L. Cherry Canyon.
7. FWB.
8. POOH w/ tbg & pkr. PU RBP & RIH. Set RBP @ 6584' & pkr @ 6440'.
9. RU BJ & acidize M. Cherry Canyon 6506-54' w/ 3K g 7 1/2% Pentol 200 & 50 BS.
10. Rlse pkr. Reset pkr @ 6542' & swab. Latch on to RBP & set @ 6542'. Set pkr @ new depth; 6456'. Swab.
11. Swab well until specific fluid entry is determined on two zones. If OC is 15% or greater, proceed w/ frac on the full M. Cherry 6506-54' or the partial zone 6506-32'.
12. Latch on to RBP & POOH..
13. RIH w/ pkr & tbg. Set @ 6456'.
14. RDMO PU.
15. RU & RIH w/ swab. RDMO swab.
16. MIRU PU. POOH w/ tbg & pkr. RIH w/ BHA. Tag CIBP . PU rods. HWO.
17. RDMO PU.

APPROVED
APR 18 2010
JAMES A. AMOS
SUPERVISOR-EPS

14. I hereby certify that the foregoing is true and correct

Signed Judy A. Barnett Name Judy A. Barnett x8699
Title Regulatory Analyst
Date 4/13/2010

(This space for Federal or State Office use)

Approved by _____ Title _____
Conditions of approval, if any.

Date APR 18 2010

ACCEPTED FOR RECORD
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

***See Instruction on Reverse Side**

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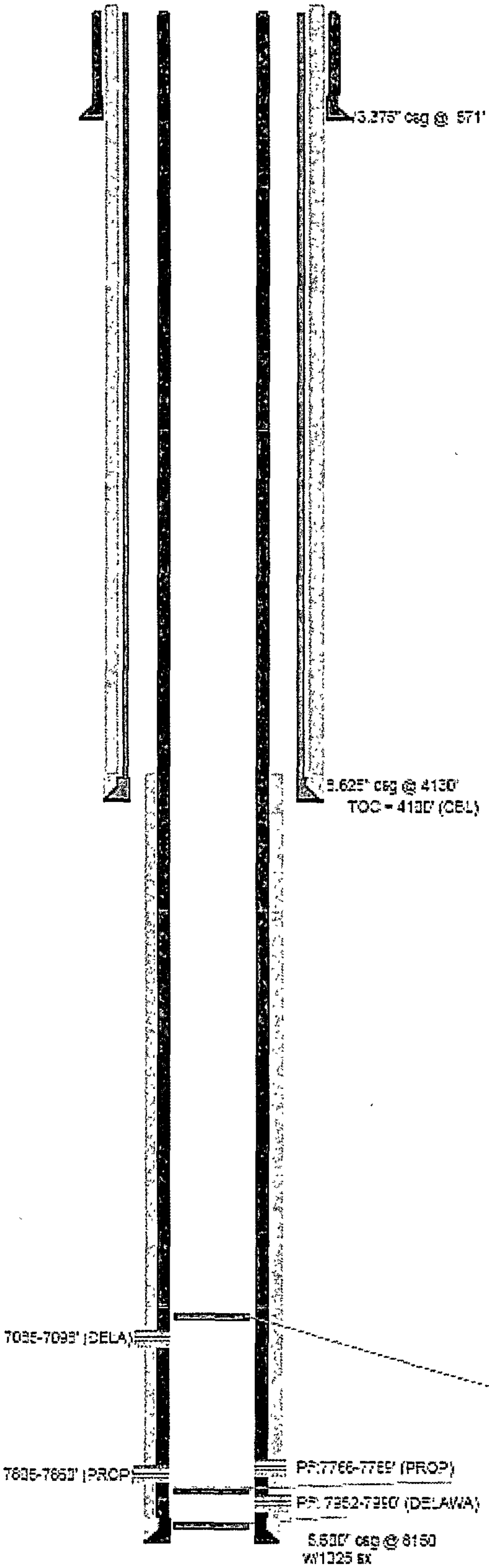

DEVON ENERGY CORP.	NORTH PURE GOLD 9 FED #7	(OIL)
LOS MEDANOS Field, EDDY Co., NM		Area: INGLE WELLS/SAN
1980' FNL, 1980' FWL, Sec 9, 23S 31E.		Elev: 3365.5' (16.5' AGL)

Last updated by:

Jim Cromer 05/27/2009

Surface Casing Record

13.375"/ 48.00#/ H-40/ STC @ 571'

Intermediate Casing Record

8.625"/ 32.00#/ K-55/ LTC @ 4130'

Production Casing Record

5.50"/ 17.00#/ / LTC @ 8150'
15.50#/ @ 0'
17.00#/ @ 0'

Tubing Record

OUT

Well History (spudded 01/12/1994):

2/17/1994 - DC. Set 5.5" csg @ 8150' cmt w/ 1025 sx. TOC @ 4100' (CBL). Complete DELAWARE Brushy Canyon 7952'- 7990'. ACDZ 7952'- 7990' w/ 1500 G (IP 278 BO, 280 MCF, 165 BW).

6/2003 - Add pay. PF U Brushy Canyon 2 SPF @ 7085'-7098' (26 holes). Set RBP @7771'. ACDZ 7085 - 7098' w/ 7½% Pentol Acid + 39 BS. Balled out, surged off. ISIP 930#; 5 MIN 853#; 10 MIN 832#; 15 M 810#. Swab 25% oil cut. FRAC 7085 - 7098' w/ 28k# 16-30 sand. AIP = 2323# @ 12.1 BPM. Pulled RBP and RTP.

8/08 - RIH to determine source of water flow from original perfs @ 7952 - 90'. Set CIBP @ 7905' GL, did not shut off flow. Set additional 5½" CIBP @ 7900' GL (7916.5' KB). RIH w/ tbg and BHA. Bottom of MA @ 7847.11', SN @ 7810.61', TAC @ 7709.24'. RWTP.

4/09 - TA w/ CIBP @ 7000'. Test casing to 590 psi, leaked off 50 psi in 30 min.

TUBING DETAIL

Descrip.	Jts	O.D./	Wt/ Gr / Conn.	Depth Int'vl
TUBING	243	2.875/	0.0/N-80 /	0- 7915
2.375X2 T.A.C	1	2.875/	0.0/ /	7915- 7921
TUBING	3	2.875/	0.0/N-80 /	7921- 8016
FILTER SUB	1	1.250/	0.0/ /	8017- 8020
PLAST CT., ST.	1	2.875/	0.0/ /	8020- 8024
SN	1	2.875/	0.0/ /	8024- 8025
TUBING	1	2.875/	0.0/ /	8025- 8057
B.P. PERF'D SUB	1	2.875/	0.0/ /	8357- 8361
	0	0.000/	0.0/ /	8361- 8361

Plugs:

CIBP @ 7000'
CIBP @ 7916'
FLTC @ 8104'

Perf Detail

Interval	spf	Date
7952- 7990'	0	/ /

Comments:

API# 30-015-27515
Current status: SI

4/8/2010

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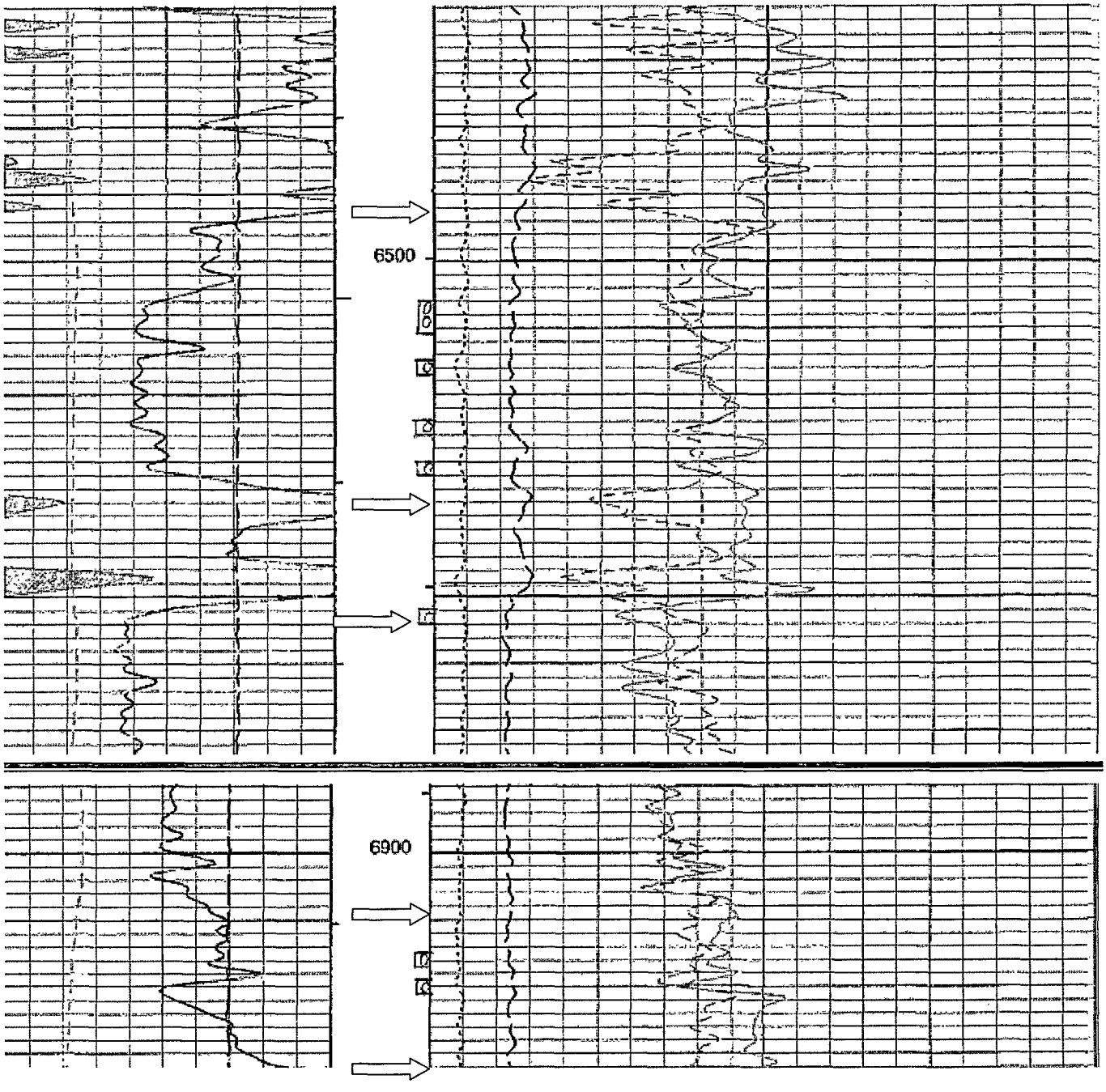

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RODSTAR-V for Windows 3.1 for Windows

Company: Devon Energy | Page 1 of 3
Well: NPG 9-7 | © Theta Enterprises, Inc. | User:
Disk file: NPG 9-7.rsvx | Tel: (714) 526-8878 | Date: 4/10/2010
Comment: New Drill Well

INPUT DATA

Strokes per minute:	7	Fluid level	
Run time (hrs/day):	20.0	(ft from surface):	6300
Tubing pres. (psi):	150	(ft over pump):	651
Casing pres. (psi):	50	Stuf.box fr. (lbs):	100

Fluid properties

Water cut:	65%
Water sp. gravity:	1.05
Oil API gravity:	40.0
Fluid sp. gravity:	1.0118

Motor & power meter

Power Meter:	Detent
Electr. cost:	$.06/KWH
Type:	NEMA D

Pumping Unit: Lufkin Conventional - New (C-456D-*)

API size: C-456-305-144 (unit ID: CL22)

Crank hole number	#1 (out of 4)
Calculated stroke length (in):	145.9
Crank Rotation with well to right:	CCW
Max. CB moment (M in-lbs):	Unknown
Structural unbalance (lbs):	-520
Crank offset angle (deg):	0.0
Bal. Rot. Moment of Inertia (lb-ft²)	1400000
Art. Moment of Inertia (lb-ft²):	688315

Tubing and pump information

Tubing O.D. (ins):	2.875	Upstr. rod-tbg fr. coeff:	0.580
Tubing I.D. (ins):	2.441	Dnstr. rod-tbg fr. coeff:	0.580
Pump depth (ft):	6951	Tub.anch.depth (ft):	6400
Pump condition:	Full	Pump load adj. (lbs):	0.0
Pump type:	Insert	Pump vol. efficiency :	85%
Plunger size (ins):	1.25	Pump friction (lbs):	200.0

Rod string design (rod tapers calculated)

Diameter (inches)	Rod Grade	Length (ft)	Min. Tensile Strength (psi)
.875	D (API)	2326	115000
.75	D (API)	4125	115000
+ 1	D (API)	500	115000

CALCULATED RESULTS

Production rate (bfpd):	124	Peak pol. rod load (lbs):	19041
Oil production (BOPD):	43	Min. pol. rod load (lbs):	8358
Strokes per minute:	7	Polished rod HP:	14
System eff. (Motor->Pump):	34%	Unit struct. loading:	62%
Permissible load HP:	42.3	PRHP / PLHP	0.33
Fluid load on pump (lbs):	3510	Buoyant rod weight (lbs):	11657
		N/No: .198 , Fo/SKr: .131	

Required prime mover size (calc. speed var.: 10%)	BALANCED (Min Torq)
NEMA D motor:	40 HP
Single/double cyl. engine:	30 HP
Multicylinder engine:	40 HP
Torque analysis and electricity consumption	BALANCED (Min Torq)

Peak g'box torq.(M in-lbs):	443
Gearbox loading:	97%
Cyclic load factor:	1.8
Max. CB moment (M in-lbs):	1038.25
Counterbalance effect (lbs):	14648
Daily electr.use (KWH/day):	308
Monthly electric bill:	$563
Electr.cost per bbl. fluid:	$0.149
Electr.cost per bbl. oil:	$0.425

Tubing, pump and plunger calculations

Tubing stretch (ins):	.4
Prod. loss due to tubing stretch (bfpd):	0.4
Gross pump stroke (ins):	137.9
Pump spacing (in. from bottom):	20.9
Minimum pump length (ft):	21.0
Recommended plunger length (ft):	5.0

Rod string stress analysis (service factor: 1)

Stress Load %	Top Maximum Stress (psi)	Top Minimum Stress (psi)	Bot. Minimum Stress (psi)	Stress Calc. Method
77%	31649	14216	8399	API MG
77%	29534	11009	1348	API MG
21%	6608	758	-255	API MG

+ Requires slimhole couplings.
NOTE Stress calculations do not include buoyancy effects.