

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCD Artesia
JUL 05 2013

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to recomplete an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM100541
2. Name of Operator COG OPERATING LLC Contact: BRIAN MAIORINO E-Mail: bmaiorino@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-221-0467	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T23S R26E NENE 1140FNL 1240FEL		8. Well Name and No. PURDY 8 FEDERAL 1
		9. API Well No. 30-015-36273
		10. Field and Pool, or Exploratory BONE SPRING
		11. County or Parish, and State EDDY COUNTY, 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 checked="" 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 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 Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations 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 recompleat 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 requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully request to abandon the Strawn and recompleat the Purdy 8 Federal #1 in the Bone Spring. Please see attached current and proposed well bore diagram.

Test anchors if necessary
MIRU
Kill well if necessary.
Install back pressure valve.
Remove wellhead & install BOP.
Attempt to release from on/off tool. (If cannot release, punch hole in tubing, and if necessary, cut off)
Pull tubing and visually inspect. If necessary, utilize workstring
Set CIBP @ 10935? capped with 35? cement

**SUBJECT TO LIKE
APPROVAL BY STATE**

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Provide C102 Accepted for record
NMOCB TCB
7/6/13

14. I hereby certify that the foregoing is true and correct. Electronic Submission #206917 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 05/10/2013 ()	
Name (Printed/Typed) BRIAN MAIORINO	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 05/09/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	 JUL 2 2013 JOHNNY DICKERSON BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
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 operations thereon.	Office _____	

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #206917 that would not fit on the form

32. Additional remarks, continued

TIH with tubing open ended
Spot Class H cement mixed at 16.4# gal from 9100 ? 9500 (Liner top @ 9408? & Wolfcamp top @ 9190?)
Circulate well clean & TOH
Pressure test casing to 8000 psi
Run GR/CCL from PBTD to 4000?
Perforate 3rd Bone Spring @ 8964? (16 holes), 8894? (14 holes) and 8845? (10 holes) and 8790? (10 holes) w/6 spf, 60o phasing utilizing Schlumberger open hole log dated 7/3/08.
TIH w/tubing & packer. Spot acid across perms. Set packer at 8700?
Acidize zone with 3000 gallons 15% HCl at 3 ? 5 BPM while dropping balls
Shut-in 1 hour & flow back
Pull tubing and packer
Set frac valve & prepare for frac.
Frac well utilizing attached procedure.
Set flow through composi plug at 6700?
Perforate 2nd Bone Spring @ 6562? (16 holes), 6494? (14 holes) and 6458? (10 holes) w/6 spf, 60o phasing utilizing Schlumberger open hole log dated 7/3/08.
Frac well utilizing attached procedure.
Set flow through composi plug at 6250?
Perforate 1st Bone Spring @ 6138? (12 holes), 6087? (16 holes), 6032? (12 holes) w/6 spf, 60o phasing utilizing Schlumberger open hole log dated 7/3/08.
Frac well utilizing attached procedure.
Shut-in well for 24 hours
Flow well back until dead.
TIH with tubing and drill out plugs. TOH
TIH with tubing & gas lift equipment.
Place well on test

Author:	Stroup		
Well Name	Purdy 8 Fed	Well No.	#1
Field	Carlsbad S Morrow API #.	30-015-36273	
County	Eddy	Prop #	
State	New Mexico	Zone	Strawn
Date	4/5/2013		
GL	3369'		
KB	3396.5'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	525	520	Surface
Inter Csg	9 5/8	K55	36	2,465	900	Surface
Prod Csg	7	P110	26	9,750	1,200	Surface
Liner	4 1/2	P110	13.50	9408 - 12415	300	TOL

Current Well Bore

ECP @ 150'

17 1/2" hole

13-3/8" (H40 - 48#) @ 525' w/520 sx

TOC @ surface

2-3/8" N80 Tbg - 339 jts

12 1/4" hole

9-5/8" (K55 - 36#) @ 2465' w/900 sx

TOC @ surface

Halliburton Versaflex Hanger @ 9408

8 3/4" hole

7 (P110 - 26#) @ 9750' w/1200 sx

TOC @ Surface - 1" to 600'

Baker Hornet w/1.87 on/off @ 10858'

11,035'-11,080'

Strawn

CIBP @ 11225' w/15' cement

12110-24, 12026-28, 12019-21, 12010-14

CIBP @ 12160

Morrow

12308' - 12314'

6 1/8" hole

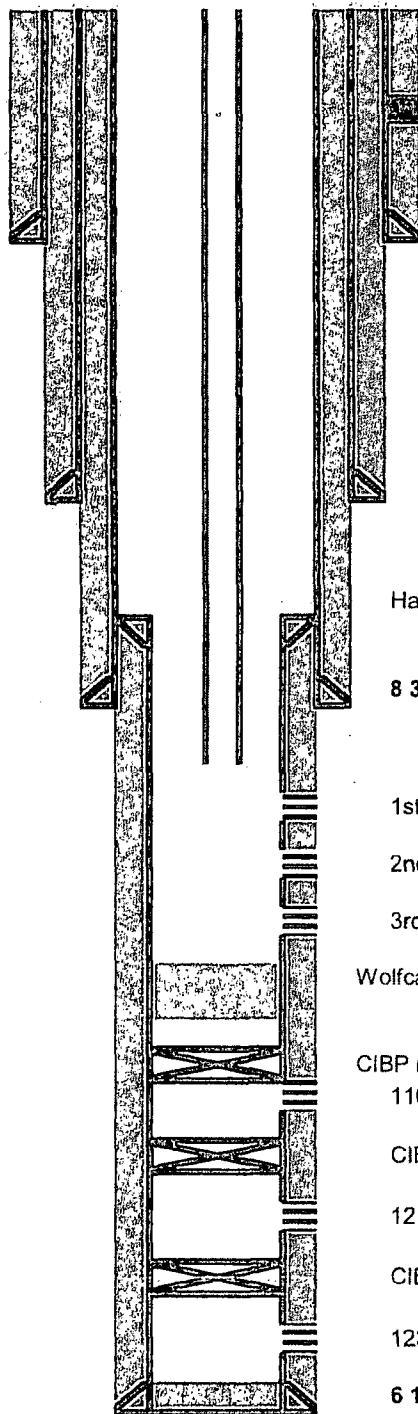
4-1/2" (P110 - 13.5#) @ 12415' w/300 sx

TOC @ Liner Top

TD @ 12415'

Author:	Stroup		
Well Name	Purdy 8 Fed	Well No.	#1
Field	Carlsbad S Morrow	API #:	30-015-36273
County	Eddy	Prop #:	
State	New Mexico	Zone:	Bone Spring
Date	4/5/2013		
GL	3369'		
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Proposed Well Bore

ECP @ 150'

17 1/2" hole

13-3/8" (H40 - 48#) @ 525' w/520 sx

TOC @ surface

2-3/8" N80 Tbg - 339 jts

12 1/4" hole

9-5/8" (K55 - 36#) @ 2465' w/900 sx

TOC @ surface

Halliburton Versaflex Hanger @ 9408

8 3/4" hole

7" (P110 - 26#) @ 9750' w/1200 sx

TOC @ Surface - 1" to 600'

1st Bone Spring: 6032, 6087, 6138

2nd Bone Spring: 6458, 6494, 6562

3rd Bone Spring: 8790, 8845, 8894, 8964

Wolfcamp Cement plug 9100-9500

CIBP @ 10935' w/35' cement

11035-40 & 11066-80 Strawn

CIBP @ 11225' w/15' cement

12110-24, 12026-28, 12019-21, 12010-14

CIBP @ 12160' Morrow

12308' - 12314'

6 1/8" hole

4-1/2" (P110 - 13.5#) @ 12415' w/300 sx

TOC @ Liner Top

TD @ 12415'

**Purdy 8 Federal 1
30-015-36273
COG Operating LLC
July 2, 2013
Conditions of Approval**

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by October 2, 2013.

- 1. Operator shall drill out CIBP at 11,225' that was set without approval.**
- 2. Operator shall tag CIBP at 12,160'. Operator can either place 230' of Class H cement on top of the CIBP or set a CIBP at 12,060' and spot 220' of Class H cement on top to seal off the Morrow formation. Tag required.**
- 3. Operator shall place a CIBP at 10,985' and place a minimum of 25 sx of class H cement on top to cover the perforations. Tag required.**
- 4. Operator shall spot Class H cement from 9,800'-9,358' to cover 7'' shoe and 4-1/2'' liner top. Tag required.**
- 5. The operator shall place a balanced class H cement plug from 9,200'-9000' to seal off the Wolfcamp formation. Tag required ensuring the Wolfcamp formation is sealed off.**
- 6. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**
- 7. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 8. Surface disturbance beyond the originally approved pad must have prior approval.**
- 9. Closed loop system required.**

10. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
11. Operator to have H2S monitoring equipment on location.
12. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
- 13. Subsequent sundry required detailing work done and completion report for the new formation. Operator to include new well plat and well bore schematic of current well condition when work is complete.**

JAM 070213