

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

3
Form C-103
May 27, 2004

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-35931
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No. 29154
3. Address of Operator 4001 Penbrook St., Odessa, TX 79762		7. Lease Name or Unit Agreement Name Gach "31" State
4. Well Location Unit Letter <u>K</u> : 1980 feet from the <u>South</u> line and <u>1500</u> feet from the <u>West</u> line Section <u>31</u> Township <u>17-S</u> Range <u>34-E</u> NMPM County <u>Lea</u>		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4096' GL		9. OGRID Number 217817
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Flowing Pressure Gradient Survey ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Procedure and wellbore diagram attached.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Stacey D. Linder TITLE Regulatory Representative DATE 10/19/2004

Type or print name Stacey D. Linder

E-mail address: stacey.d.linder@conocophillips.com Telephone No. (432)368-1506

For State Use Only

PETROLEUM ENGINEER

APPROVED BY: [Signature] TITLE _____
Conditions of Approval (if any): _____

DATE OCT 26 2004

PROCEDURE: Gach "31" State #2

Flowing Pressure Gradient Survey

1. MIRU slickline company to perform flowing gradient survey. RU 5,000 Psig lubricator and test same to 2,000 Psig (1,000 Psig above maximum expected pressure). RIH with gauge ring to confirm access to perforations. Tag TD and report depth on gradient report. POOH. **Note: Firing assembly on bottom at 13,188'.**
2. Obtain a WHFP utilizing an accurate gauge. Record casing pressure. RU and RIH with one electronic and one mechanical gauge, taking gradient stops at the following depths:

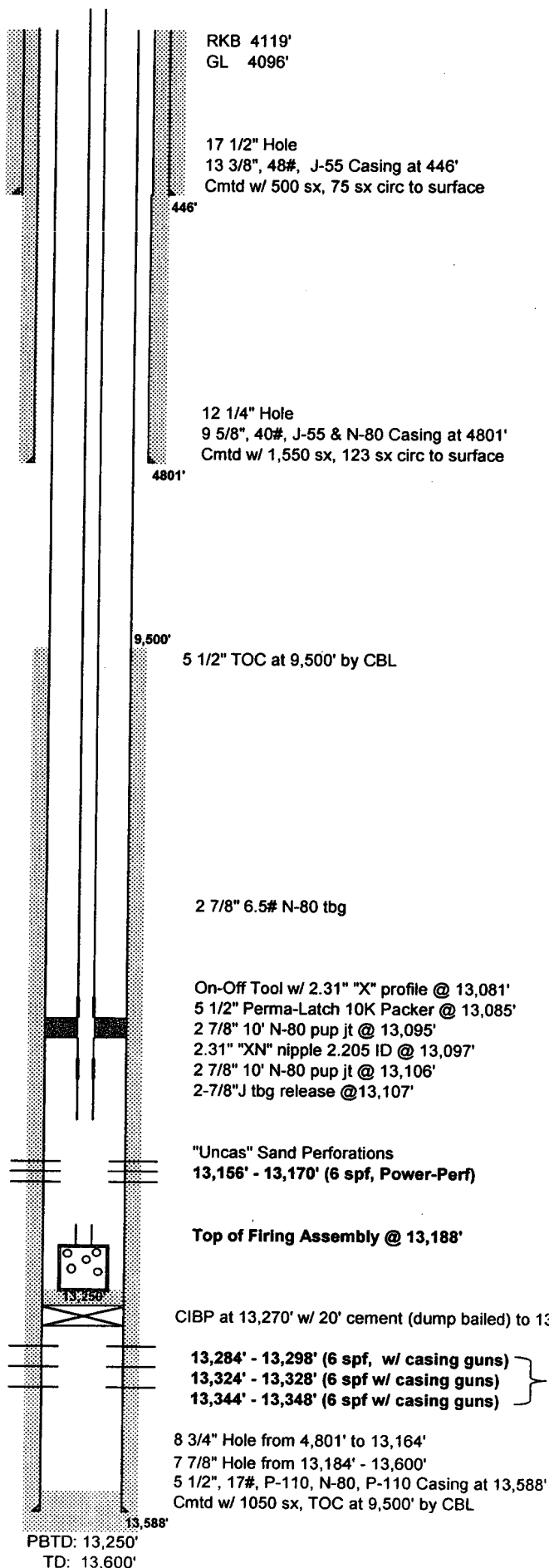
3,000'
6,000'
7,500'
9,000'
10,000'
11,000'
12,000'
12,500'
12,750'
13,000'
13,163' (mid-perforation of "Uncas Sand")
13,180'

POOH with gauges. Take one additional WHFP and casing pressure. Provide before and after pressures on report. RDMO slickline company

3. Fax copy of flowing pressure gradient survey to Rob Lowe at 832-486-2764 and Jack Lowder at 432-368-1330.

Attachments: Well schematic

ConocoPhillips - Permian Basin Area
July 6, 2004



Lease & Well No.: **Gach 31 State #2**

Well Category: Two

Area: New Mexico

Subarea: Maljamar

Field: Vacuum Morrow (Gas)

API Number: 30-025-35931

Legal Description: 1980' FSL & 1500' FWL
Sec 31, T-17-S, R-34-E
Lea County, New Mexico

Spudded: 06/30/02

Completed: 08/16/02

Well History:

8/02 Perf'd Morrow 13,284-98', 13,324-28', 13,344-48'
w/ 6 spf. No pressure on casing after perfing.
Set pkr at 13,050'. Acdzd 13,298-348' overall
w/ 4000 gal Claysafe 5.

9/02 Set CIBP at 13,270'. Dumped 20' of cmt on CIBP.
Power perf'd Morrow 13,156-170' w/ 6 spf using
212 mscf nitrogen. Gun fired at 9372 psi w/ 195
mscf nitrogen gone. IPF 5.1 mmcsfd, 360 bcpsd
at 1700 psig ftp. IBHP = 4200 psig.

11/02 Released firing assembly using 2.125" Otis style,
positive key, shifting tool. Tag top of firing
assembly at 13,188'.

Length	23' KB Depth	Item
31.84'	54.84'	1 jt 2-7/8" N-80 tbgs
20.28'	75.12'	2 10' subs 2-7/8" N-80 tbgs
12,966.02'	13,041.14'	408 jts 2-7/8" N-80 tbgs
6.08'	13,047.22'	1 6' sub 2-7/8" N-80 tbgs w/ RA locator
31.85'	13,079.07'	1 jt 2-7/8" N-80 tbgs
1.97'	13,081.04'	XL On/Off Tool w/ 2.313" 'X' Nipple
4.05'	13,085.09'	5-1/2" 10K# PLS Packer
10.04'	13,095.13'	1 10' sub 2-7/8" N-80 tbgs
1.43'	13,096.56'	2.313" 'XN' x 2.205 No-Go Nipple
10.04'	13,106.60'	1 10' sub 2-7/8" N-80 tbgs
1.67'	13,108.27'	2-7/8" J tbgs release

Firing Assembly

10.02'	1 10' sub 2-7/8" N-80 tbgs
1.93'	3-3/8" KV Firer w/ collar
0.70'	3-3/8" Dual sub
33.40'	3-3/8" Prop carriers
1.68'	Blank section
14.00'	Loaded section
0.75'	Bull plug and blank section

"Uncas" Sand Perforations
13,156' - 13,170' (6 spf, Power-Perf)

Top of Firing Assembly @ 13,188'

CIBP at 13,270' w/ 20' cement (dump bailed) to 13,250'

13,284' - 13,298' (6 spf, w/ casing guns)
13,324' - 13,328' (6 spf w/ casing guns)
13,344' - 13,348' (6 spf w/ casing guns) } Middle Morrow

8 3/4" Hole from 4,801' to 13,164'
7 7/8" Hole from 13,184' - 13,600'
5 1/2", 17#, P-110, N-80, P-110 Casing at 13,588'
Cmt'd w/ 1050 sx, TOC at 9,500' by CBL

PBTD: 13,250'
TD: 13,600'