

State of New Mexico
Energy, Minerals and Natural Resources

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

| | |
|---|--|
| WELL API NO. 30-025-24844 | |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> | |
| 6. State Oil & Gas Lease No. LC030467B | |
| 7. Lease Name or Unit Agreement Name Vaughan B-1 | |
| 8. Well Number 6 | |
| 9. OGRID Number 005073 | |
| 10. Pool name or Wildcat Langlie Mattix RVRS QN GB | |
| 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.) | |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> | |
| 2. Name of Operator ConocoPhillips Company ATTN: Celeste Dale | |
| 3. Address of Operator 3300 N. "A" Street, Bldg. 6 #247, Midland, TX 79705-5406 | |
| 4. Well Location Unit Letter <u>E</u> : <u>1980</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line Section <u>1</u> Township <u>24-S</u> Range <u>36-E</u> NMPM County <u>Lea</u> | |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) | |
| Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> | |
| Pit type <u>STEEL</u> Depth to Groundwater <u> </u> Distance from nearest fresh water well <u> </u> Distance from nearest surface water <u>N/A</u> | |
| Pit Liner Thickness: <u>STEEL</u> mil Below-Grade Tank: Volume <u>180</u> bbls; Construction Material <u>STEEL</u> | |

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 ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

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

SEE ATTACHED PROPOSED PLUGGING PROCEDURE, CURRENT & PROPOSED PLUGGED WELLBORE DIAGRAMS.

RECEIVED

AUG 13 2008

HOBBS OCD

The Oil Conservation Division **Must be notified**
24 hours prior to the beginning of plugging operations

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 [Signature] TITLE Area Manager, P&A Operations (Basic Energy Services) DATE 08/12/08

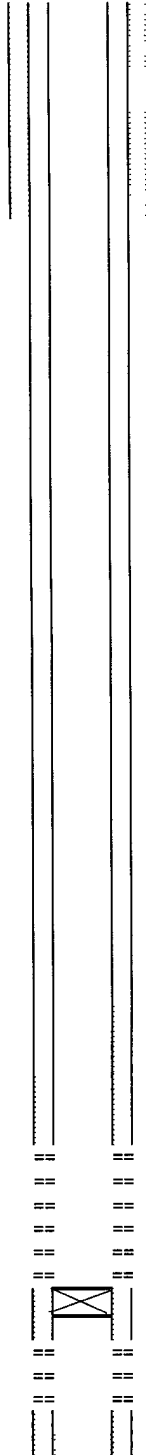
Type or print name: James F. Newman P.E. E-mail address: James.Newman@BasicEnergyServices.com Telephone No. 432-687-1994
For State Use Only

APPROVED BY: [Signature] TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE AUG 18 2008
Conditions of Approval (if any):

WELLBORE SKETCH
ConocoPhillips Company -- Mid-Continent BU / Odessa

Date: April 21, 2008

RBM @ 3355'
 DF @ 3354'
 GL @ 3344.9'



12-1/4" Hole

9-5/8" 36# @ 500'
 Cmt'd w/250 sx, circ
 TOC @ Surface

Top Salt @ 1300'

2810-2812 -- Sqz'd w/80 sx
 (Interval squeezed 2671-2815')

Base Salt 2750'
 TOC 7" Csg @ 2800'

Jalmat

2928 2935 2947 2966 2975
 2980 3005 3014 3048 3059
 3079
 3086 3110 3116 3124 3133
 3182 3190 3205 3220 3230
 3250 3258 3374 3382

CIBP @ 3428'

Langlie Mattix

3482 3501 3520 3538 3546
 3562 3580 3589
 3662 3670

8-3/4" Hole
 7" 20# @ 3725'
 Cmt'd w/210 sx
 TOC @ 2800'

PBTD. 3685'
 TD. 3725'

Lease & Well No. : **Vaughan B-1 No. 6**
 Legal Description : **1980' FNL & 660' FWL, Section 1, T-24-S, R-36-E**

County : **Lea** State : **New Mexico**
 Field : **Jalmat Tansill Yates Seven Rivers (Pro Gas)**
 Date Spudded : **Sept 10, 1974** Rig Released **Sept 26, 1974**
 API Number : **30-025-24844**
 Status: **Serial Lse No. LC030467B**
Agreement No. 071030467B

Stimulation History:

| Interval | Date | Type | Gals | Lbs. Sand | Max Press | ISIP | Max Rate | Max Down |
|-----------|----------|--|--------|-----------|-----------|------|----------|----------|
| | 9/30/74 | Perforate 2810-2812 and squeeze with 80 sx cement | | | | | | |
| | 10/2/74 | Perforate 3482-3670 - 1 jspf (select fire) | | | | | | |
| 3662-3670 | 10/3/74 | 15% NE HCl | 1,500 | | 1750 | 300 | 4.5 | |
| 3482-3589 | 10/4/74 | 15% NE HCl | 1,500 | | | | | |
| 3482-3589 | 10/4/74 | Gelled TFW | 24,000 | 40,000 | 2200 | 600 | 15.0 | |
| | 10/14/74 | Perforate 2 jspf 3086-3382 (select fire) Guns not firing properly | | | | | | |
| | 10/16/74 | Perforate 2 jspf 2928-3258 (select fire) | | | | | | |
| 2982-3670 | 10/21/74 | 15% MCA | 2,000 | | 800 | 250 | | |
| 2982-3670 | 12/19/89 | 3% NEFE | 250 | (Swab) | | | | |
| | 1/30/08 | Set CIBP @ 3428' - Abandon Lower Zone | | | | | | |
| | 2/1/08 | Shut-in | | | | | | |

Formation Tops:

Rustler 1200'
 Top Salt 1300'
 Base Salt 2750'
 Yates 2918'
 Seven Rivers 3138'
 Queen 3517'

ConocoPhillips Company
Vaughn B-1 #6
API #30-025-24844
Jalmat Tansil Yates Seven Rivers (Pro Gas) Field
Lea County, New Mexico

Proposed Plugging Procedure

See attached wellbore diagrams for wellbore configuration

Casings: 9 $\frac{5}{8}$ " 36# casing @ 500' cmt'd w/ 250 sx, circulated
 7" 20# casing @ 3,725' cmt'd w/ 210 sx, TOC @ 2,800'
Perforations: 2,928 – 3,382'
 3,482 – 3,670', CIBP @ 3,428'.
Tubulars: none

- Contact NM Digtess (1-800-321-2537) minimum 48 hrs prior to move-in
- Verify anchors tested within last two years
- Notify NMOCD & BLM 48 hrs prior to move in, and 4 hrs prior to plugs
- Document daily tailgate safety meetings w/ crews
- Observe ConocoPhillips 10 – 2 – 4 work break program

2 $\frac{3}{8}$ " tubing capacity = 0.00387 bbls/ft
 7" 20# casing capacity = 0.0405 bbls/ft = 4.399 ft/ft³
 9 $\frac{5}{8}$ " 36# casing capacity = 0.0773 bbls/ft = 0.434 ft/ft³

1. Set steel pit and flow down well as needed.
2. MIRU plugging equipment. ND wellhead and NU 6" 5,000# hydraulic BOP.

| HAZARDS | EFFECT | SOLUTIONS |
|-------------------------------|--|---|
| Rigging up Plugging Equipment | <i>Injury to Personnel</i> | <ul style="list-style-type: none"> • Check for overhead obstructions • Observe Safety procedures while rigging up • JSA |
| Lifting/Moving heavy equip. | <i>Injury to Personnel</i> | <ul style="list-style-type: none"> • Inspect and use rated chains/slugs • Proper hook/shackle placement |
| Static Electricity | <i>Injury to Personnel and Equipment</i> | <ul style="list-style-type: none"> • Ground Rig to Well-Bore |
| H ₂ S | <i>Injury to Personnel</i> | <ul style="list-style-type: none"> • Monitoring equipment • Safety Plan • Emergency Contacts • All on site H₂S Trained |

3. RIH w/ 2 $\frac{3}{8}$ " workstring tubing, tag CIBP @ ~3,428'. RU cementer and displace hole w/ 100 bbls plugging mud. Pump 25 sx C cmt 3,428 – 3,283' (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 145' in 7" 20# casing), displacing w/ 12.25 bbls mud. POOH w/ tubing.

| HAZARDS | EFFECTS | SOLUTIONS |
|-----------------------|---|--|
| Running tubing | <i>Injury to Personnel, Equipment & Well-Bore</i> | <ul style="list-style-type: none"> • Proper pipe handling practices • check Slips/Tongs/Elevators |
| Fall from Height | <i>Injury to Personnel</i> | <ul style="list-style-type: none"> • 100% Tie-Off in derrick • Platforms w/Rails even consider if less than 4' |
| Mixing Plugging Mud | <i>Health Hazard</i> | <ul style="list-style-type: none"> • Proper PPE • Respiratory Protection |
| High pressure Pumping | <i>Injury to Personnel and Environmental Issues</i> | <ul style="list-style-type: none"> • Establish & Use Safe Area • Inspect all hoses/connections |

4. RIH w/ HM tbg-set CIBP for 7" 20# casing on 2 $\frac{3}{8}$ " workstring to 2,878'. RU cementer and set CIBP @ 2,878'. Circulate hole w/ mud and pump 35 sx C cmt 2,878 - 2,675' (1.32 ft³/sk yield, 46.2 ft³ slurry volume, calculated fill 203' in 7" 20# casing) displacing w/ 10 bbls plugging mud. POOH w/ tubing standing back 1,000' and laying down remainder. **Yates & Base of Salt plug**
5. RU & test lubricator to 1,500 psi. RIH w/ wireline & perforate 7" casing @ 1,300'. POOH w/ wireline. RD lubricator.

| HAZARDS | EFFECTS | SOLUTIONS |
|--------------------|--|---|
| Fall lanes | <i>Injury to Personnel</i> | <i>Rig-up outside of Anchors, 50' from well-bore</i> |
| Static Electricity | <i>Pre-Detonation of Explosives, Injury to Personnel and Equipment</i> | <i>Ground Wireline to well-bore</i> |
| Explosive Guns | <i>Injury to Personnel and Equipment</i> | <ul style="list-style-type: none"> • Ensure there is no power source while assembling • wire detonator to wireline first - then to charge |

6. RIH w/ packer to ~1000'. Load hole w/ plugging mud, set packer, and establish rate into perforations at 1,500 psi or less. Squeeze 40 sx C cmt w/ 2% CaCl₂ 1,300 – 1,174' (1.32 ft³/sk yield, 52.8 ft³ slurry volume, calculated fill 126' in 8 $\frac{3}{4}$ " open hole) displacing w/ 10.5 bbls (tubing volume = 3.9 bbls). WOC & tag this plug no lower than 1,200'. POOH w/ packer standing back 180' and laying down remainder. **Top of Salt Plug**

| HAZARDS | EFFECTS | SOLUTIONS |
|--------------------------|--|--|
| Mixing CaCl ₂ | <i>Health Hazard Inhalation Chemical burn</i> | <ul style="list-style-type: none"> • Refer to MSDS • Proper PPE |
| High pressure Pumping | <i>Injury to Personnel, Equipment and Environmental Issues</i> | <ul style="list-style-type: none"> • Establish & Use Safe Area • Inspect all hoses/connections |

7. RU & test lubricator to 1,500 psi as needed. RIH w/ wireline and perforate 7" casing @ 550'. POOH w/ wireline, RD lubricator.
8. RIH w/ packer to ~180'. Load hole w/ plugging mud, set packer, and establish rate at 1,000 psi or less. Squeeze 60 sx C cmt w/ 2% CaCl₂ 550 – 360' (1.32 ft³/sk yield, 79.2 ft³ slurry volume, calculated fill 190' in 8 $\frac{3}{4}$ " open hole) displacing w/ 8.0 bbls (tubing volume = 0.7 bbls). WOC & tag this plug no lower than 450'. POOH w/ packer. **Surface casing shoe Plug**
9. RU & test lubricator to 1,500 psi as needed. RIH w/ wireline and perforate 7" casing @ 60'. POOH w/ wireline, RD lubricator.

10. Establish circulation through both 7" & 9 $\frac{5}{8}$ " annuli. ND BOP and NU wellhead. Circulate 25 sx C cmt 60' to surface (1.32 ft³/sk yield, 33.0 ft³ slurry volume, calculated fill 92' in 9 $\frac{5}{8}$ " 36# casing). **Surface plug**

11. RDMO location.

| HAZARDS | EFFECTS | SOLUTIONS |
|------------------|---|---|
| Lowering Derrick | <i>Injury to Personnel & Equipment Pinch points</i> | <ul style="list-style-type: none"> • JSA • <u>Bleed air from raising cylinder</u> |
| Loose Equipment | <i>Injury to Personnel and Vehicles</i> | <ul style="list-style-type: none"> • Secure all loose equipment • Vehicle Inspections prior to movement |

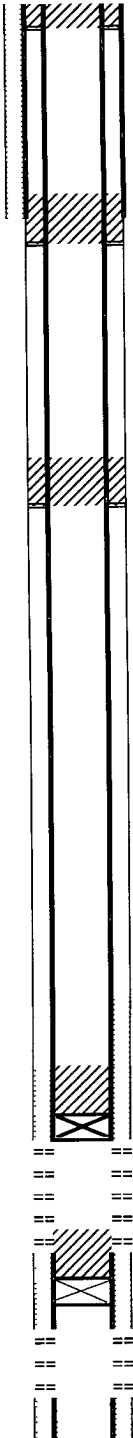
12. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

| HAZARDS | EFFECTS | SOLUTIONS |
|--------------------------|---|--|
| Explosive Atmospheres | <i>Injury to personnel and Equipment Damage</i> | <ul style="list-style-type: none"> • Digress • Excavation & Hot Work Permits • Monitor Atmosphere |
| Cutting/Capping Wellhead | <i>Injury to Personnel</i> | <ul style="list-style-type: none"> • Secure wellhead • on site helper watching area |
| Grass/Brush Fires | <i>Injury to Personnel, Equipment & Land</i> | <ul style="list-style-type: none"> • Clear area w/backhoe • Fire watch • Emergency Contacts |

PROPOSED PLUGGED WELLBORE SKETCH
ConocoPhillips Company -- Mid-Continent BU / Odessa

Date August 12, 2008

RBM @ 3355'
 DF @ 3354'
 GL @ 3344.9'



12-1/4" Hole
Perf & sqz 25 sx 60' to surface

9-5/8" 36# @ 500'
 Cmt'd w/250 sx, circ
 TOC @ Surface

Perf & sqz 60 sx 550 -450' WOC & TAG

Top Salt @ 1300'

Perf & sqz 40 sx 1,300 -1,200' WOC & TAG

2810-2812 -- Sqz'd w/80 sx
(Interval squeezed 2671-2815)

Base Salt 2750'

TOC 7" Csg @ 2800'

set CIBP @ 2,878', circ mud, pump 35 sx cmt 2,878 -2,675'

Jalmat

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TAG CIBP @ 3,482' & pump 25sx 3,428 - 3,283'

CIBP @ 3428'

Langlie Mattix

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 Cmt'd w/210 sx
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PBTD: 3685'
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County Lea State New Mexico
 Field Jalmat Tansill Yates Seven Rivers (Pro Gas)
 Date Spudded Sept 10, 1974 Rig Released Sept 26, 1974
 API Number : 30-025-24844
 Status PROPOSED PLUGGED **Serial Lse No. LC030467B**
Agreement No. 071030467B

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| | 10/2/74 | Perforate 3482-3670 - 1 jsp (select fire) | | | | | |
| 3662-3670 | 10/3/74 | 15% NE HCl | 1,500 | | 1750 | 300 | 4.5 |
| 3482-3589 | 10/4/74 | 15% NE HCl | 1,500 | | | | |
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| 2982-3670 | 10/21/74 | 15% MCA | 2,000 | | 800 | 250 | |
| 2982-3670 | 12/19/89 | 3% NEFE | 250 | (Swab) | | | |
| | 1/30/08 | Set CIBP @ 3428' - Abandon Lower Zone | | | | | |
| | 2/1/08 | Shut-in | | | | | |



PROPOSED PLUGGING PROCEDURE

- 1) TAG CIBP @ 3,482', circ mud, pump 25 sx 3,428 - 3,283'
- 2) set CIBP @ 2,878' & pump 35 sx C cmt 2,878 - 2675'
- 3) Perf & sqz 40 sx 1,300 -1,200' WOC & TAG
- 4) Perf & sqz 60 sx 550 -450' WOC & TAG
- 5) Perf & sqz 25 sx 60' to surface

Capacities

| | | | | |
|-------------------|--------|--------|--------|--------|
| 4 1/2" 9.5# csg | 10.960 | ft/ft3 | 0.0912 | ft3/ft |
| 5 1/2" 15.5# csg | 7.483 | ft/ft3 | 0.1336 | ft3/ft |
| 5 1/2" 17# csg | 7.661 | ft/ft3 | 0.1305 | ft3/ft |
| 7" 20# csg | 4.399 | ft/ft3 | 0.2273 | ft3/ft |
| 7 3/4" 26.4# csg | 3.775 | ft/ft3 | 0.2648 | ft3/ft |
| 8 3/4" 24# csg | 2.797 | ft/ft3 | 0.3575 | ft3/ft |
| 9 3/4" 40# csg | 2.304 | ft/ft3 | 0.4340 | ft3/ft |
| 10 3/4" 40 5# csg | 1.815 | ft/ft3 | 0.5508 | ft3/ft |
| 7 7/8" openhole | 2.957 | ft/ft3 | 0.3382 | ft3/ft |
| 8 3/4" openhole | 2.395 | ft/ft3 | 0.4176 | ft3/ft |
| 12 1/4" openhole | 1.222 | ft/ft3 | 0.8185 | ft3/ft |

Formation Tops:

| | |
|--------------|-------|
| Rustler | 1200' |
| Top Salt | 1300' |
| Base Salt | 2750' |
| Yates | 2918' |
| Seven Rivers | 3138' |
| Queen | 3517' |