



P.O. Box 4289
Farmington, NM 87499

May 24, 2011

NM Oil and gas Conservation Division
Energy & Minerals Department
Attn: Mr. William Jones
1220 St. Francis Drive
Santa Fe, NM 87501

Dear Mr. Jones

Amendment Request for SWD-412
San Juan 32-8 Unit #301 SWD
API-30-045-27935

This letter is to request an amendment to the permit for the San Juan 32-8 Unit No. 301 SWD well (Administrative Order No. SWD-412) to set a packer below 8212 feet or the top of the Morrison formation as picked by the Division's geologists and to continue injecting at a surface pressure of 2730 psig with Division Order No IPI-257 dated 9-21-05.

Richard Corcoran, Landman for COPC has confirmed that there is no split vertically as to the ownership of the Morrison zone and as such we understand that no notification will be required.

Please advise if further information is required. We sincerely appreciate your consideration in this matter.

Respectfully,

A handwritten signature in cursive script that reads "Patsy Clugston".

Patsy Clugston
Sr. Regulatory Specialist

cc: Aztec Division - OCD
Well file

Jones, William V., EMNRD

From: Clugston, Patricia L [Patsy.L.Clugston@conocophillips.com]
Sent: Monday, May 23, 2011 11:05 AM
To: Jones, William V., EMNRD
Cc: Pierson, Chris R; Tafoya, Crystal
Subject: FW: Amendment To Admin Order SWD-412
Attachments: SJ 32-8 Unit SWD 301 Documentation.pdf

Importance: High

Hi Will,

Attached are copies of the original SWD-412 on the SJ 32-8 #301 SWD, the Amended 412 and a copy of the NOI approval given by Steve Hayden in 6/2006 and lastly a copy of the NOI submitted 4/12/11 for the tubing repair which included the placement of the packer. I have circled the placement of the packer on each document and our engineer would like to get approval to set the packer between 8221 to 8444' so that we can determine which place would be the best place to set the packer after the casing inspection log is run while the rig is on the well.

Our questions are:

1. Asking for and being granted approval in 2006 to set the packer below 8212', were we out of compliance of SWD412?
2. Is the proper way to take care of this to amend SWD412 again to allow us to set the packer between 8221' - 8444' . If so what would be needed from us and how long will it take. We will be in a real bind if this well is out of commission very long at all.

I will be calling you to discuss in just a minute. Thanks for your help. Patsy

n, Chris R
r, May 23, 2011 10:40 AM
l, Patricia L
Crystal; Dobson, Stephanie L.
Amendment To Admin Order SWD-412

Patsy,

In light of the conversation with Charlie this morning, we would like to give ourselves some degrees of freedom in this next Amended Admin Order. Would like to see if we could get approval to set the packer anywhere within the Morrison interval from 8,222' - 8,444'. The current Admin Order specifies an exact depth for the packer, which puts us in a tough spot should the casing inspection log show us that exact spot is not the best place to put the packer.

Please advise.

Chris R. Pierson

Production Engineer
Conocophillips - SJBU
Office: HWY64-124
Work: 505-326-9776
Cell: 505-860-2533

Jones, William V., EMNRD

From: Clugston, Patricia L [Patsy.L.Clugston@conocophillips.com]
Sent: Tuesday, May 24, 2011 6:00 PM
To: Jones, William V., EMNRD
Cc: Pierson, Chris R; Robinson, Kristy A; Jones, Steve E; Dobson, Stephanie L; Stuard, Robert M.; Tafoya, Crystal
Subject: RE: Proposed disposal permit San Juan 32-8 #301 San Juan County New Mexico
Attachments: 32-8 301 SWD-412 amendment request.pdf

Importance: High

Hi Will,

Attached is COPC's request for the Amendment to SWD-412 for the San Juan 32-8 Unit SWD 301, API -30-045-27935. If you have any questions or need anything, please let me know. Thanks again for your help on this. We really appreciate it.

P.S. please notice the injection pressure at 2730 psig per IPI 257 dated 9-21-05. Thanks Again. Patsy

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Monday, May 23, 2011 4:56 PM
To: Clugston, Patricia L
Subject: RE: Proposed disposal permit San Juan 32-8 #301 San Juan County New Mexico

You can email it....

From: Clugston, Patricia L [<mailto:Patsy.L.Clugston@conocophillips.com>]
Sent: Monday, May 23, 2011 3:07 PM
To: Jones, William V., EMNRD
Subject: FW: Proposed disposal permit San Juan 32-8 #301 San Juan County New Mexico
Importance: High

never mind my last email. I re-read the draft and it says can set below 8212, so we are good with that verbage. I will contact our Land department and make sure the Morrison doesn't have a vertical ownership split and then we will request the formal request. Can I send the request through email or do you want the original?

Patsy

From: Clugston, Patricia L
Sent: Monday, May 23, 2011 2:14 PM
To: 'Jones, William V., EMNRD'
Cc: Pierson, Chris R
Subject: RE: Proposed disposal permit San Juan 32-8 #301 San Juan County New Mexico

would it be possible to have a range to put the packer as indicated in the previous email

"8221 to 8444" so that we can determine which place would be the best place to set the packer after the casing inspection log is run while the rig is on the well."

We haven't ran the casing inspection log, so the 8212 may not be the best place to place it.
Patsy

ConocoPhillips

Well Name: SAN JUAN 32-B UNIT #301 SWD

Current Schematic

PACKER with BE
Below 8212'

API/Well	State Legal Locality	Field Name	License No.	State/Province	Well Configuration Type	Edit
3004527935	NMPM-31N-08W-16-L	San Juan 32-B Unit #301 SWD		NEW MEXICO	Vertical	
Ground Elevation (ft)	Original Borehole Elevation (ft)	Well-Head Elevation (ft)	Well-Head Depth (ft)	Well-Head Depth (ft)	Well-Head Depth (ft)	
6,521.00	6,534.00		13.00			

Well Config: Vertical - Original Hole, 4/11/2011 1:52:58 PM

ftKB (MD)	ftKB (TVQ)	Schematic - Actual	From Final
13		Tubing - (IPC), 3 1/2 in, 9.30lbs/ft, L-80, 13 ftKB, 43 ftKB	
53		Pup Joint, 3 1/2 in, 9.30lbs/ft, L-80, 43 ftKB, 53 ftKB	
146			
464			
2,561			
3,213			
3,628			
3,814		Top of Liner = 3,641' ftKB	
4,852		Tubing - (IPC), 3 1/2 in, 9.30lbs/ft, N-80, 53 ftKB, 8,188 ftKB	
6,996			
7,882		X Nipple, 3 1/2 in, 9.30lbs/ft, L-80, 8,196 ftKB, 8,197 ftKB	
8,196		Tubing - (IPC), 3 1/2 in, 9.30lbs/ft, L-80, 8,197 ftKB, 8,229 ftKB	
8,212		80-40 Seal Assembly, 3 1/2 in, 8,229 ftKB, 8,233 ftKB	
8,229			
8,233			
8,238			
8,245			
8,255			
8,368			
8,377			
8,388			
8,390			
8,638		Hydraulic Frac-Other, 2/20/1992	
8,663			
8,673			
8,682			
8,694			
8,751			
8,790		Hydraulic Frac-Other, 12/29/1980	
8,984			
9,031		Hydraulic Frac-Other, 12/17/1990	
9,130			
9,150			
9,250			
9,280			
9,306			
9,398		TD, 9,398, 10/30/1990	
		SURFACE CASING CEMENT, 11/3/1980, 0/17/1990, 082 SX of 15.8 ppg Class B Surface Casing, 20in, 10,124in, 13 ftKB, 464 ftKB Intermediate Casing, 13 3/8in, 12,347in, 13 ftKB, 3,815 ftKB INTERMEDIATE CASING CEMENT, 2,000-3,815, 6/28/1990, 1441' SX of 12.4 ppg Halliburton Light Casing cement, 13 3/8in, 9/29/1990, 200 SX of 15.8 ppg Class B LINER CEMENT, 3,841-8,099, 10/7/1990, Lead 1145 SX 13.8 ppg of 60:50 POZ Followed By 100 SX 15.8 ppg of Class B Liner, 8,099-8,836in, 8,844 ftKB, 8,099 ftKB 3-1, Packer BAKER F-1 85-90, 7-8,220, 2.7 3-2, MILL OUT EXTENSION, 4,930, 8,232, 5.5 3-3, 6" X-OVER TO 3.6 EUE ERD PIN, 3 1/2, 8,237, 0.7 3-4, PUP JOINT (IPC), 3 1/2, 8,238, 8.0 3-5, X NIPPLE, 3 1/2, 8,244, 1.3 3-6, PUP JOINT (IPC), 3 1/2, 8,248, 8.0 3-7, XN NIPPLE W/ 2.66" NO-GO, 3 1/2, 8,264, 1.8 3-8, RE-ENTRY GUIDE, 4 1/2, 8,285, 0.6 2-1, Packer Baker 70 B240 SC-1L, 8,184, 8,368, 3.8 2-2, 80-40 MILL OUT EXTENSION, 5, 8,371, 5.5 2-3, X OVER TO 3.6 PIN, 3 1/2, 8,377, 1.0 2-4, PUP JOINT, 3 1/2, 8,378, 10.1 2-5, F NIPPLE, 3 1/2, 8,388, 1.0 2-6, RE-ENTRY GUIDE, 3 1/2, 8,389, 0.9 8,444-8,638, 2/18/1992 1-1, FB-1 PACKER, 6 7/8, 8,660, 2.5 1-2, SEAL BORE EXTENSION, 4,690, 8,663, 10.0 1-3, X-O SUB, 6,660, 8,673, 0.6 1-4, PUP JOINT (Nickel Plated), 4 1/2, 8,673, 9.2 1-5, F NIPPLE, 4,490, 8,681, 1.1 1-6, PUP JOINT (Nickel Plated), 4 1/2, 8,693, 10.2 1-7, R NIPPLE, 4,490, 8,693, 0.6 1-8, Re-Entry guide, 3 1/2, 8,694, 0.6 8,751-8,920, 12/27/1990 8,760-8,920, 1/6/1990 8,930-9,148, 12/13/1990 9,130-9,150, 1/8/1990 9,150-9,200, 1/6/1990 BHP FISH, 0,260-0,290 SAND, 0,250-0,308 Production Casing, 7in, 8,184in, 13 ftKB, 9,398 ftKB PRODUCTION CASING CEMENT, 0,025-9,398, 11/11/1990, 826 SX of 15.5 ppg Class G - TOC DETERMINED BY TEMP SURVEY	Ojo Alamo, 2,392 Kirtland, 2,561 Fruitland, 3,213 Pictured Cliffs, 3,528 Lewis, 3,628 Greenhorn, 7,832 Graneros, 7,882 Dakota, 8,003 Morrison, 8,212 Bluff, 8,775 Todito, 8,994 Entrada, 9,031 Chinle, 9,275

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

Form C-103
March 4, 2004

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

WELL API NO. 30-045-27935
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-5113-21
7. Lease Name or Unit Agreement Name San Juan 32-8 Unit
8. Well Number #301 SWD
9. OGRID Number 217817
10. Pool name or Wildcat Morrison Bluff Entrada

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	
3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289	
4. Well Location Unit Letter L : 1643 feet from the South line and 1006 feet from the West line Section 16 Township 31N Range R8W NMPM San Juan County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6621' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER: <input checked="" type="checkbox"/>

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.

4/25/06 MIRU. GIH w/gauge rings to 7358', then to 8300', then to tried to get 2.710 ring to past 8107'. FN @ 8378'. COOH & RD Slickline. 4/29/06 PT Master valve & tbg head - had no communication @ 1800#. Test DH - had communication between tbg & casing. Pull BPV. 5/23/06 MIRU Basin Perforations. RIH w/Baker inflatable bridge plug an ran & set below 7" production packer @ 3832'. COOH & LD WL. Opened tbg, no flow. Found 7" packer failure. 5/24/06 MIRU Key #22. RU & PT pump= ok Disconnect & DN injection side of tbg manifold. RIH, latched & released Inflatable BP @ 8332'. LD. Circ 3-1/2" tbg w/FW & replaced packer fluid w/FW. GIH w/CIBP @ 8359'. PT v1700#-OK. Set 3-1/2" 2-way BPV in 7-1/6" tbg hanger, ND 3-1/8" upper tree & NU 5M BOPE. PT - found tbg hanger leaking. Release seal assembly from packer & strip out TBG hanger. Strip & tally out 3-1/2" tbg. RIH w/computalog - and ran casing inspection log from 8350' - 6896'. Received approval from Steve Hayden/OCD 6/2/06 to set 7" production packer below 8212'.

COOH & RD loggers. RIH w/packer assemble & set @ 8230'. Milled out ext plr 8232-8238'. COOH & RD WL. TOH & LD tbg. 6/8/06 MU RBP & GIH w/BP & set @ 1020'. Load & PT casing to 2000#/OK. Dug around tbg head to replace seals. Replaced. PT-2000#/30 Min. Good test. GIH & retrieved RPB @ 1020'. LD. Load 3-1/2" tbg w/FW while swapping out tbg floats. TIH w/new producing tbg to 8200', spaced out & land seal assemble w 262 jts 3-1/2" EUE 8rd tbg @ 8198'. Latch in seal assembly @ packer / 8230'. RD floor, ND BOP, NU Master valve assembly. PT - OK. RU slickline & punch hole in SN nipple @ 8237' GL/8253'KB. Pull BP. COOH & RD slickline. Perform 7" casing & 3-1/2" tbg annulus / packer @ 8230' integrity test - MIT to 780 psi/30 min. OK witnessed by Henry V. / OCD. RD & released rig 6/12/06.

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 OGD approved plan ☐.

SIGNATURE Patsy Clugston TITLE Sr. Regulatory Specialist DATE 6/26/06
Type or print name Patsy Clugston E-mail address: pclugston@br-inc.com Telephone No. 505-326-9518

(This space for State use)

APPROVED BY H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 5 DATE JUN 29 2006
Conditions of approval, if any: