

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

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

WELL API NO. 30-045-30556
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E0-84444-0003
7. Lease Name or Unit Agreement Name New Mexico Com DY
8. Well Number #1A
9. OGRID Number 131994
10. Pool name or Wildcat Fruitland Coal/MesaVerde
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5892 GL

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 ☐ Gas Well ☒ Other

2. Name of Operator  
Four Star Gas & Oil Company

3. Address of Operator  
Attn: Regulatory Specialist 332 Road 3100, Aztec NM 87410

4. Well Location

Unit Letter H: 1975 feet from the N line and 660 feet from the E line  
Section 36 Township 31N Range 12W NMPM County San Juan

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 ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: Complete DHC 4197 ☒

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see attached procedure for the DHC 4197 performed on the NM Com DY 1-A

\* Did not comply with testing requirements, see NOI for additional work.

Spud Date:

6/14/2001

Rig Release Date:

05/16/2014

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE April E. Pohl TITLE Permitting Specialist DATE June 12, 2014

Type or print name April E. Pohl E-mail address: April.Pohl@chevron.com PHONE: 505-333-1941

For State Use Only

APPROVED BY: Paul Red TITLE Deputy Oil & Gas Inspector, District #3 DATE 7/14/14  
Conditions of Approval (if any): PV

OIL CONS. DIV DIST. 3  
JUN 13 2014

NM Com DY-1A

3/19/2014

MIRU

Check well, SITP - 50 psi, SICP - 70 psi, Bradenhead - 0 psi. ND WH, Will need new WH.

NU Stump tested BOP's, Blind, pipe and annular. POOH, LD 152 jts 2 3/8" Prod tbg, Btm 10 jts has scale on outside. SDFN.

3/20/2014

Check well, SICP - 140 psi. PU & RIH in singles w/ 3 7/8" bit & 4 1/2" scraper, tag @ 4563', Btm perf @ 4852

POOH w/ bit & scraper. Spot & RU E-Line, RIH w/ Baker 3.625" OD, 10K CBP, Tie in and set CBP @ 4150, POOH.

Load csg w/ 65 bbls 2% KCL, Test csg and CBP to 500 psi.

RIH w/ 2 3/8" Sected CBL tools, log from 4150 to surface, TOC - 3388, RD E-Line

3/21/2014

Check well, SICP - 0 psi, slight blow, bleed off air, PU plug, RIH & set at 500', Test to 500 psi. POOH.

RD Tongs, Floor, ND BOP's, Blind, Pipe and Annular

ND tbg head, NU 11" 3M x 7 1/16 3M w/ 2 1/16" 5M side outlets, Test void to 1700 psi. Test good

NU BOP's, Blind, Pipe and annulars, Test flange to 1500 psi.

RU Floor, tongs, RIH, Latch and release RBP @ 500, Continue in hole, Set RBP @ 2528 on 80 jts. POOH w/ 14 jts, PU Pkr, Work to get pkr thru tbg head and could not.

POOH w/ tbg. RD Floor, ND BOP's

ND tbg head. Dress and extend csg stump closer to shoulder, change out bushing in tbg head.

NU WH. NU BOP's, RU Floor, Tongs

3/22/2014

PU tension pkr, RIH, Set pkr @ 386'. Test csg from 386' to 2528' to 3000 psi. Test below squeeze perfs good. Bleed down Rlse pkr, POOH, LD pkr, RIH w/ retrieving tool, Latch & Rlse RBP @ 2528, POOH, Set RBP @ 353', POOH, PU tension pkr, test from 3' below WH to RBP to 3000 psi, Test above squeeze perfs good. Rlse pkr and lay down same. RIH w/ retrieving tool, Latch and release RBP, POOH.

PU Lubricator, RIH w/ 3 1/8" guns loaded 4 SPF, Perf 4 sqz holes @ 2526' and at 1822', POOH, RD Lubricator.

PU Tension pkr, RIH, Set pkr @ 1905'

Pump in, establish I/R @ 3.5 BPM & 1100 psi. Established circulation out perfs @ 2526 back up thru perfs @ 1822.

Pumped 15 bbls. Rlse Pkr, POOH, LD same, RIH w/ CICR & set @ 2470'

Test lines to 3500 psi, Establish I/R w/ 11 bfw, 2 bpm and 590 psi, Mix and pump 43 bbls CI G cement, 15.8 ppg, 1.15 yld @ 3 bpm and 1070 psi, Note: At 28 bbls lost returns. SD pump, Sting out, LD 2 jts, Reverse clean w/ 50 bbls 2% KCL at 550 psi.

Recovered approx 6 bbls cement.

POOH w/ 2 3/8" workstring, LD stinger. Secure well, SDFN.

3/23/2014

Check well, 0 psi, slight vacuum, PU & RIH w/ 3 7/8" bit, Tag cement @ 2405', Soft tag,

POOH w/ bit & tubing, Note: Surface cement sample still soft, Wireline Eng say's good chance CBL would not pick up cement on log. Will WOC, Secure well.

3/24/2014

Check well, SICP - 0 psi. RU E-Line, RIH w/ 2 7/8" CBL tools, Tag at 2400', Log up to 1400', Top of cement 1810', POOH

Test csg to 500 psi, Pumping in @ 1/2 BPM & 450 psi.

RIH w/ tbg & pkr, EOT @ 1869, Pkr @ 986, Set pkr and establish I/R of 1.5 bpm and 1500 psi, Rlse pkr.

Spot and RU HES cementing equipment, Test lines to 2500 psi, Mix and pump 8 bbls, 40 sks CI G cement, 15.8 ppg, 1.3%

CACL, 1.15 yld for balanced plug, Displaced w/ 4.5 bbls fw, POOH w/ 19 jts tbg, EOT-1269, Set pkr at 386, Squeeze cmt into

perfs at 1822 w/ 3 bbls, psi to 1500 psi. SD pumps and hesitate squeeze in 1/4 bbl increments to 1500 psi. SI well and RD HES cementing equpt, Total pumped in 4 1/4 bbls. Note: Mixed cmt @ 1400 hrs. SDFN

3/25/2014

Check well, SICP - 385 psi, Test cmt squeeze to 500 psi, down tbg, leaks, test csg to pkr, leaks, Release pkr and test csg to squeeze, Test good. Bleed down pressure (communicated between tbg or pkr and casing)

POOH, LD pkr, pull tail pipe.

PU 3 7/8" bit, 4 - 3 1/8" DC's, RIH w/ 2 3/8" tbg, Tag cement @ 1711'. (Calculate 5.5 bbls cement behind pipe, 27 sks, PU Power Swivel. Start air, establish circulation, unload well

Drill cement from 1711' to 1770', cmt very soft, washing. Circulate and clean up

SD air, POOH w/ 5 jts, Secure well, SDFN.

3/26/2014

Check well, SICP - 0 ps, Open well, RIH w/ tbg, Tag @ 1770, PU Power Swivel

Start air, Establish circulation

Load hole w/ 2% KCL, Test csg to 500 psi. Tested numerous times, Testing to 500 psi would lose approx 2 psi/min. Lost from 501 to 459 psi in 30 min. Can not pump in. No visible surface leaks. Talked to Jim Micikas, Will POOH and perforate

Drill cement w/ air, 400 psi, 10 bwph mist from 1770 to 1879', Fell thru, Circulate clean, RIH, tag cmt @ 2405'

POOH w/ tbg, LD DC's and bit

RU Weatherford E-Line, PU Lubricator, RIH w/ 3 1/8" guns loaded 4 SPF, 90 degree phasing, Tie in to CBL dated 20-March-14, correlated back to open hole log, perf from 2264-2282', 2233-2235' and 2219-2226' in two runs, 108 holes, RDMO E-Line

RIH w/ bit & scraper for preparation to run frac liner. POOH, Secure well, SDFN

3/27/2014

Check well, SICP - 20 psi. Clean out cement tanks w/ supersucker, Haul flowback from rig pit and flowback tank.

SDF Rig day's off. Wait on Frac Liner, Scheduled for 4/1/14

4/1/2014

Check well pressure: SICP 0psi. Wait on frac liner tool to arrive.

P/U & RIH w/ frac liner #1. Set liner across interval from 1805' - 1843'. POOH. R/U & RIH w/ frac liner #2. Set liner across interval from 343' - 388'. POOH & finish laying down workstring. SWIFN.

4/2/2014

Check well pressure: SICP 0psi. Opened up well. R/D floor, N/D BOP's.

N/U 7-1/16" 5k frac valve & flow cross. Installed hanger w/ plug, pressure tested flanges to 2000psi - good. Removed hanger, capped flow cross w/ top flange.

R/D rig, load equipment & move to Navajo I 1-3.

4/11/2014

R/U pumps, iron, bleed down line. Pressure test to 5000psi. Open well, initial pressure 160psi.

Establish injection rate w/ water @5BPM 1300psi, switch to acid & pump 1350gal 15% FE/HCL acid @5BPM w/ 162 bio balls.

Flush w/ 34bbls fresh water w/ additives.

Establish rate w/ treated water pad @35BPM. Frac w/ total of 127,461lbs 16/30 sand 2115bbls fluid @ AVG: 1901psi 28BPM, Max 3378psi 40.5BPM w/ sand ramp up to 5ppg. Flush w/ 31bbls treated water. ISIP 579psi 5min - 490psi, 10min - 443psi, 15min - 394psi.

Shut in well, R/D stinger, R/D frac equipment & move off location. Check well pressure: 0psi. Shut in well.

R/U flow arm from flow cross on wellhead to production line w/ in line choke. Left well SI.

5/6/2014

Load equipment & road rig to location. Spot in rig/equipment.

Check well pressure: SICP 290psi. R/U hard lines, open well to blowdown tank, flowing @50psi. Shut in, remove flow cross, pump 5bbls 2%KCl to kill well, install hanger w/ bull plug, N/D frac valve & N/U BOP's. Pressure test to 1500psi.

R/U floor, handling tools, spot in pipe racks, etc. SWIFN.

5/7/2014

Check well pressure: SICP 290psi, bled off initial pressure, pump 20bbls 2%KCl. P/U & RIH w/ retrieving tool. Engage frac liner #1 @343' & release. POOH & laid down. RIH & engage frac liner #2 @1805', release & POOH.

P/U & RIH w/ 3-7/8" bit, four 3-1/8" collars & tag sand top @2311'.

Establish circulation w/ air foam unit & clean out sand down to TOC @2405'. Continue drilling cement down to CICR @2470'. Circulate clean.

R/D swivel, POOH w/ bit. P/U & RIH w/ 3-7/8" bladed mill to 2153'. SWIFN.

5/8/2014

Check well pressure: SICP 290psi, SITP 0psi. Bled off initial pressure, RIH & tag CICR @2470'. R/U swivel & break circulation w/ air foam unit.

Mill out CICR, continue drilling out cement & fell free @2545'.

Continue rotating down & tag CBP @4150'. Mill out plug & continue rotating down & tag @4562'. Clean out to 4671' getting back scale, sand & plug parts in returns. Fell through & tag again @4873'.

Circulate clean, R/D swivel, POOH above perfs to 2186'. SWIFN.

5/13/2014

Check well, SITP- 0 psi, (string float), SICP - 300 psi, Bleed down well to open tank.

Attempt to open pipe rams, one side only opens fully, Rams will close, troubleshoot, no surface problems found, RIH w/ perforated sub (2-3/8" holes) and washed across rams w/ 100 bbls 2% with no success, consult w/ Drgl Supt and Rig Manager, decision to run to bttm and backoff.

RIH w/ tbg keeping well dead. (stripper rubber pulled) Tagged @ 4860' (13' fill since 5/8/14, POOH, LD 3 jts, Install stripper rubber, Secure well, SDFN.

5/14/2014

Check well, SITP - 0 psi (string float), SICP - 290 psi, Bleed well down to open tank, Kill well w/ 15 bbls

Remove stripper rubber, pumping 1 bbl/ min to keep well dead, RIH w/1 jt, string float, 1 jt, Tag Jt, Tag @ 4860, no additional fill, back off top jt leave pipe on bttm, Close blinds

Remove pipe rams, ram was cocked and gouged, evidence that some metal had gotten behind them, replace ram, Will replace double gate, Kill well, Install Hangar, RD Floor, Tongs, ND annulars, ND double gate BOP's, NU BOP's, change out rams to 2 3/8, NU annular. RU Floor, Tongs

Test BOP's to 250/2100 psi, pipes, blinds and annular, Test good, Kill well and pull hangar.

RIH w/ 1 jt, screw in to tbg, POOH & LD 1 jt, Pulled 10K over to free up tbg

PU Power Swivel, Start air to establish circulation

Clean out w/ air, 10 bwph mist & 550 psi, cleanout from 4860' to 4917' pipe meas, hard bttm. PBTD-4922

Circulate well recovering heavy sand at first to trace of sand, wtr cleaned up.

SD air, Rack back swivel, POOH w/ 2 3/8 tbg, LD DC's, Secure well.

5/15/2014

Check well, SICP - 290 psi, Bleed well down to open tank

PU & RIH w/ Muleshoe, SN, 5 jts 2 3/8" Boronized tbg, 2 3/8" L80 Prod tbg, Tag bttm @ 4918' pipe measurement, no fill.

POOH, leaving 132 jts L80 in well.

Spot equipment, RIH w/ tbg banding cap string on 12 jts, 402' of cap string plus KB, Land Hangar, Total of Muleshoe, SN, 5 jts 2 3/8" Boronized tbg, 143 jts 2 3/8 L80 tbg, 10' pup jt, 1 jt 2 3/8 L80, Hangar. SN @ 4859', EOT @ 4880.62.

RD Tongs, Floor, ND BOP's, NU WH, Test Void to 1500 psi, good test, pull BPV

RU Rod Handling Equipment, RIH w/ 2" x 1 1/4" x 14' x 14'3" RHAC-Z pump, stabilizer bar, 2 - 1 1/4" x 25' Sinker Bars, 3 - 3/4" x 25' guided rods-5 per rod, 188 - 3/4 x 25' T-54, 6' x 3/4 pony rod, 8' x 3/4" pony rod, 1 1/4" x 22' Polish Rod. Secure well SDFN.

5/16/2014

Check well, SICP-290 psi, pump chemical treatment down casing and tbg, one drum each.

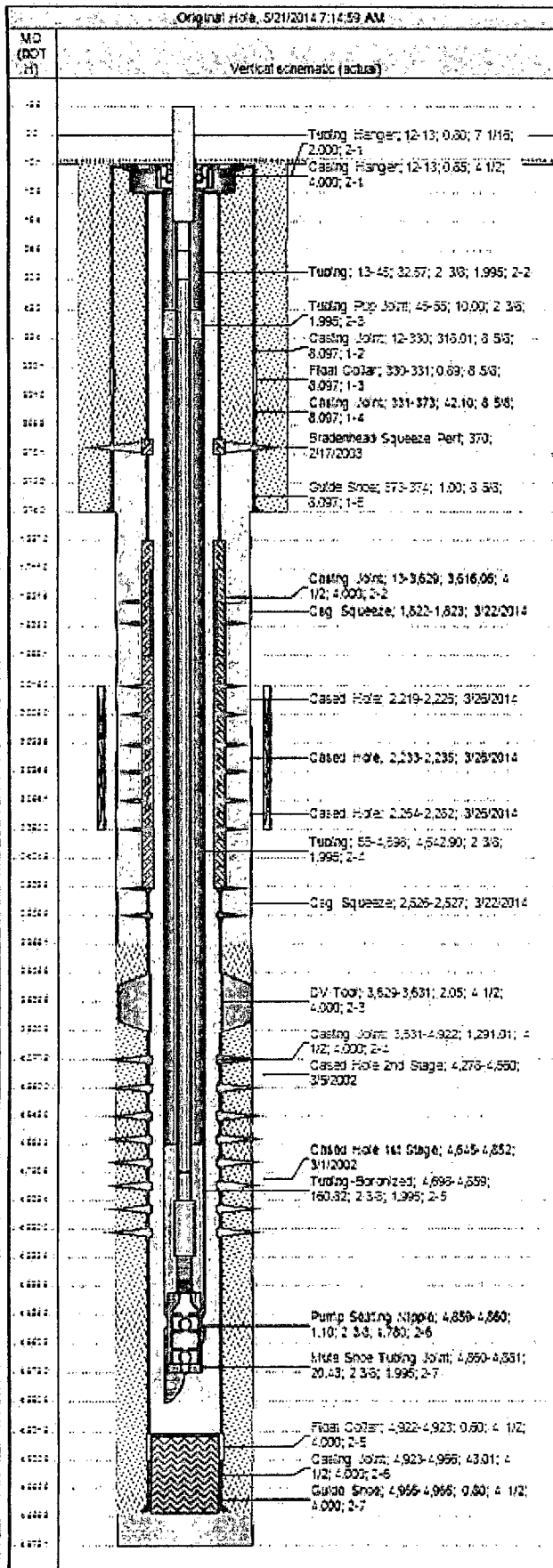
Load - test tbg to 500 psi. Test good. Check pump action and pressure to 500 psi. Space out, hang off 6" above tag.

RDMO.



# Wellbore Schematic

Well Name New Mexico Com DY-1A	License New Mexico Com 'DY'	Field Name Blanco Mesa Verde	Business Unit Mid-Continent
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## Job Details

Job Category	Start Date	Release Date
Major Rig Work Over (MRWO)	3/19/2014	5/16/2014

## Casing Strings

Csg Des	OD (in)	WT (lb/ft)	Grade	Top Thread	Set Depth (MD) (FOOT)
Surface	8 5/8	24.00	K-55	ST&C	374
Production Casing	4 1/2	11.60	J-55		4,966

## Tubing Strings

Tubing - Production set at 4,880.6ft OTH on 5/16/2014 07:00

Tubing Description		Run Date		String Length(ft)		Set Depth (MD) (ft)	
Tubing - Production		5/15/2014		4,868.62		4,880.6	
Item Desc	Qty	OD (in)	WT (lb/ft)	Grade	Len (ft)	Sum (FOOT)	
Tubing Hanger		7 1/16			0.80	12.8	
Tubing	1	2 3/8	4.70	L-80	32.57	45.4	
Tubing Pup Joint	1	2 3/8	4.70	L-80	10.00	55.4	
Tubing	143	2 3/8	4.70	L-80	4,642.90	4,698.3	
Tubing-Boronized	5	2 3/8	4.70	L-80	160.82	4,859.1	
Pump Seating Nipple		2 3/8			1.10	4,860.2	
Mule Shoe Tubing Joint	1	2 3/8	4.70	J-55	20.43	4,880.6	

## Rod Strings

Long Rod on 5/16/2014 07:00

Rod Description		Run Date		String Length (ft)		Set Depth (ROTH)	
Long Rod		5/16/2014		4,878.50		4,873.0	
Item Des	Size	OD (in)	WT (lb/ft)	Grade	Len (ft)	Set Depth (ROTH)	
Polished Rod	1	1 1/4	1.63	D	22.00	16.5	
Pony Rod	1	3/4			8.00	24.5	
Pony Rod	1	3/4			6.00	30.5	
Sucker Rod	188	3/4	1.63	D	4,700.00	4,730.5	
Sucker Rod-Guided Shoe			1.63	D	75.00	4,805.5	
				17	50.00	4,855.5	
					3.50	4,859.0	
					14.00	4,873.0	

DENIED

**DENIED**

Incorrect  
Perforations

Date	Depth (ft)	Depth (ft)	Zone & Completion
2/17/2003	370.0	370.0	
3/22/2014	1,822.0	1,823.0	
3/26/2014	2,219.0	2,226.0	4.0 28 Fruitland Coal, Original Hole
3/26/2014	2,233.0	2,235.0	4.0 8 Fruitland Coal, Original Hole
3/26/2014	2,264.0	2,282.0	4.0 72 Fruitland Coal, Original Hole
3/22/2014	2,526.0	2,527.0	4.0
3/5/2002	4,278.0	4,560.0	Menefee, Original Hole
3/1/2002	4,545.0	4,852.0	Point Lookout, Original Hole

## Other Strings

Run Date	Put Date	Set Depth (MD) (FOOT)	Com

## Other In Hole

Des	Top (MD) (FOOT)	Sum (MD) (FOOT)	Run Date	Put Date	Com
Packer	343.0	388.0	4/1/2014	5/7/2014	Frac liner
Packer	1,805.0	1,843.0	4/1/2014	5/7/2014	Frac liner
Cement Retainer	2,470.0	2,471.0	3/22/2014	5/8/2014	
Bridge Plug (Permanent) Fashdrill	4,149.0	4,150.0	3/20/2014	5/8/2014	
Plunger	4,737.7	4,738.9	2/21/2003	3/19/2014	
Bumper Spring	4,738.9	4,739.7	2/21/2003	3/19/2014	
Fill (Sand / Mud / Debris)	4,866.4	4,975.0	6/22/2001	5/8/2014	