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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

API 30-043-20211

1a. TYPE OF WELL
OIL ☐ GAS ☒ DRY ☐ OTHER _____
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

2. Name of Operator
Shell Oil Company
3. Address of Operator
1700 Broadway, Denver, Colorado 80202
4. Location of Well

7. Unit Agreement Name
8. Farm or Lease Name
Santa Fe
9. Well No.
#3
10. Field and Pool, or Shallow
Wildcat - Entrada

UNIT LETTER J LOCATED 1652 FEET FROM THE South LINE AND 2310 FEET FROM
THE East LINE OF SEC. 28 TWP. 13N RGE. 1E NMPM Sandoval

15. Date Drilled 4/19/76 16. Date T.D. Reached 6/18/76 17. Date Compl. (Ready to Prod.) P&A 18. Elevations (DF, RKB, RT, GR, etc.) 6281 GR 6299 KB
19. Total Depth 10,276 21. Plug Back T.D. - 22. If Multiple Compl., How Many - 23. Intervals Drilled By 0-TD
24. Intervals Intervalled, at this completion - Top, Bottom, Name Well P&A 25. Was Directional Drilling Made Yes

26. Type Electric and Other Logs run Sonic/Cal/GR, Dipmeter & Cal, DLL 27. Was Well Cased

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
*					

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
*							

31. Performance Record (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
*	

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments
Well History and Casing & Cementing Details

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED J. W. Linnell TITLE Div. Ops. Engr. DATE 7/8/76

*See Attachments

CASING AND CEMENTING

Field CACTUS AREA (WC) Well Santa Fe #3
Job: 13-3/8 " O.D. Casing ~~XXXX~~ Ran to 994 feet (KB) on 4/20/ 1976

Jts.	Wt	Grade	Thread	New	Feet	From	To
					<u>17.96</u>	<u>KB</u>	<u>0</u> <u>CHF</u> <u>20</u>
						<u>CHF</u>	
<u>22</u>	<u>48</u>	<u>K-55</u>	<u>8rd ST&C</u>	<u>New</u>	<u>927.44</u>		<u>947.44</u>
<u>Howco Diff Float Collar</u>					<u>1.55</u>		<u>948.99</u>
<u>1</u>	<u>48</u>	<u>K-55</u>	<u>8rd ST&C</u>	<u>New</u>	<u>43.96</u>		<u>992.95</u>
<u>Howco Diff Float Shoe</u>					<u>1.05</u>		<u>994.00</u>

Casing Hardware:

Float shoe and collar type Howco Diff Float Shoe and Collar
Centralizer type and product number Hinge Type S-3
Centralizers installed on the following joints 5' above shoe, #2, #4, #6, #8
Other equipment (liner hanger, D.V. collar, etc.)

Cement Volume:

Caliper type _____ Caliper volume _____ ft³ + excess over caliper
_____ ft³ + float collar to shoe volume _____ ft³ + liner lap _____ ft³
+ cement above liner _____ ft³ = _____ ft³ (Total Volume).

Cement:

Preflush—Water 30 bbls, other _____ Volume _____ bbls
First stage, type and additives Class "B" w/3% CaCl₂ & 1/4#/sx Flocele
_____ . Weight 15.6 lbs/gal, yield 1.18
ft³/sk, volume 1200 sx. Pumpability _____ hours at _____ °F.
Second stage, type and additives _____ . Weight _____ lbs/gal, yield _____
ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate _____
Displacement rate 5.5 B/M
Percent returns during job 100%
Bumped plug at _____ AM/PM with _____ psi. Bled back _____ bbls. Hung csg
with _____ lbs-on slips.

Remarks:

Displaced w/120 BW. CIP @ 6 p.m. Good circ thru job; circ'd out 75 bbls slurry.
Left 176' cmt in csg.

Drilling Foreman Ken Crawford
Date 4/24/76

CASING AND CEMENTING

Field Cactus Area (WC) Well Santa Fe #3
 Job: 9-5/8 " O.D. Casing/Liner. Ran to 4708 feet (KB) on 5/1, 1976

Jts.	Wt	Grade	Thread	New	Feet	From	To
					<u>22</u>	<u>KB</u>	<u>CHF</u>
						<u>CHF</u>	
<u>68</u>	<u>40</u>	<u>S-95</u>	<u>ST&C</u>	<u>New</u>	<u>2928.39</u>		<u>2950.39</u>
<u>Howco Packer Type DV Tool</u>					<u>4.00</u>		<u>2954.39</u>
<u>38</u>	<u>40</u>	<u>S-95</u>	<u>ST&C</u>	<u>New</u>	<u>1665.67</u>		<u>4620.06</u>
<u>Regular Float Collar</u>					<u>1.62</u>		<u>4621.68</u>
<u>2</u>	<u>40</u>	<u>S-95</u>	<u>ST&C</u>	<u>New</u>	<u>85.59</u>		<u>4707.27</u>
<u>Regular Float Shoe</u>					<u>1.20</u>		<u>4708.47</u>

Casing Hardware:

Float shoe and collar type Regular GS and FC
 Centralizer type and product number S-3 Hinge Type (B)
 Centralizers installed on the following joints 6' above shoe, every 2 jts 4578-4217 & 2 jts below DV, 1 jt above DV
 Other equipment (liner hanger, D.V. collar, etc.) Howco Packer Type DV tool & cmt baskets located below DV tool

Cement Volume:

Caliper type Dipmeter 1st Stage Caliper volume 921 ft³ + excess over caliper (50%)
460 ft³ + float collar to shoe volume 36 ft³ + 2nd Stage 1014 ft³
 + excess cmt 507 ft³ = 2338 ft³ (Total Volume).

Cement:

11#/gal Lite 20 bbls 2nd Stage
 Preflush-Water _____ bbls, other 11#/gal Lite Volume 10 bbls 1st Stage
 First stage, type and additives Class H + 0.5% CFR2 15.9-16.0#/gal, 1.1 cu ft/sx, 375 sx
lead slurry - Hal Lite . Weight 12.4 lbs/gal, yield 1.37
 ft³/sk, volume 500 sx. Pumpability _____ hours at _____ °F.
 Second stage, type and additives Hal Lite . Weight 12.4 lbs/gal, yield 1.97
 ft³/sk, volume 775 sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate _____
 Displacement rate 4-5 B/M 1st stage and 5-6 B/M 2nd stage
 Percent returns during job 100% returns on 1st & 2nd stages
 Bumped plug at 3:17P/11:00 AM with 2000 psi. Bled back 1.5 (1st) bbls. Hung csg
 with 300,000 lbs. on slips. 2.0 (2nd)

Remarks:

Did not circ cmt to sfc on 1st stage. Circ'd 5 bbls cmt to sfc on 2nd stage.

Drilling Foreman C. Grady
 Date 5/2/76