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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 <input type="checkbox"/>	Federal <input type="checkbox"/>
5. State Oil & Gas Lease No.	
SF 078067	

1a. TYPE OF WELL		7. Unit Agreement Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER _____		Carson Unit	
2. Name of Operator		8. Farm or Lease Name	
Shell Oil Company		R. Mims #1	
3. Address of Operator		9. Well No.	
P. O. Box 831, Houston, Texas 77001		34-11	
4. Location of Well		10. Field and Pool, or Wildcat	
UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM		Bisti - Pictured Cliffs	
THE West LINE OF SEC. 11 TWP. 25N RGE. 12W NMPM		12. County	
		San Juan	
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)
5-27-76	-	6-14-76	6389' KB
19. Elev. Casinghead	20. Total Depth		
	5030		
21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	24. Producing Interval(s), of this completion - Top, Bottom, Name
1264			1216' to 1236' Pictured Cliffs
25. Was Directional Survey Made			26. Type Electric and Other Logs Run
No			Gamma Ray - Neutron
27. Was Well Cored			
No			
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
8 5/8"	24	109'	12 1/4"
4 1/2"	9.5	5027'	7 7/8"
CEMENTING RECORD		AMOUNT PULLED	
100 sx			
150 sx			
29. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
None			
30. TUBING RECORD			
SIZE	DEPTH SET	PACKER SET	
2 3/8"	1193'	1193'	
31. Perforation Record (Interval, size and number)			
1216' to 1236'			
.38"			
27 evenly spaced holes over interval			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED		
1216-1236	28,000 # 20/40 sand & foam		
	28,000 # 10/20 sand & foam		
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
6-30-76	3	3/4"	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.
52	0		0
			Gas - MCF
			617
			Water - Bbl.
			0
			Gas - Oil Ratio
34. Disposition of Gas (Sold, used for fuel, vented, etc.)			Test Witnessed By
Vented to pit during test			Neil Tefteller
35. List of Attachments			
Gamma Ray - Neutron Log, Test data			
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 <u>R. Planty</u>		TITLE <u>Division Operations Engr.</u> DATE <u>APR 19 1977</u>	

P&A GALLUP & RECOMP IN PICTURED CLIFFS

SHELL OIL COMPANY

FROM: 5/28/76 - 7/1/76

LEASE CARSON UNIT

DIVISION WESTERN

COUNTY SAN JUAN

BISTI FIELD

WELL NO. 34-11

ELEV 6380' KB

STATE NEW MEXICO

NEW MEXICOBISTI FIELD

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

"FR" TD 5030. Prep to run Bkr CICR. AFE #523936 provides funds to P&A Gallup & recomp in Pictured Cliffs. RU Drake Well Service & installed BOP. Pulled rods & tbg. Rec'd pmp which did not come out when rods pulled. Ran 4-1/2" csg scraper to 4903. Reverse circ hole w/100 bbls 225 deg hot frh wtr. Pulled 12 stds tbg; paraffin still in tbg. Pmp'd 225 deg hot wtr down tbg & pulled 10 stds; paraffin present. Pmp'd hot wtr down tbg 3 times. POOH @ 9 p.m.

MAY 28 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 5030. Prep to log. Ran Bkr Model "K" CICR. Set ret @ 4806 to sqz Gallup perms @ 4884-4997. Tested 4-1/2 annulus to 1500#, ok. Est inj rate of 2 B/M @ 600#. Pmp'd 150 sx Class A cmt & 4% gel @ 1.5 to 2 B/M. Max press 600#. Displaced 28 bbls cmt; 2 bbls in tbg. Pulled tbg. No blow or indication of circ outside 4-1/2 csg. SI well.

JUN 01 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 5030. Prep to run temp survey & depth determination. Ran tbg OE to 1325. Displ'd hole w/2% KCl wtr containing 12# CaCl2/1000 gals. Pulled tbg & refilled hole w/KCl wtr. Ran GR Neutron/PDC log from 1500-100. Set CIBP @ 1350. Perf'd four 90 deg jets @ 1340'. Est inj rate of 2 B/M @ 0 psi w/no blow outside 4-1/2 csg. Spt'd 34 sx Class "A" cmt containing 2% CaCl2 & 1/8# flocele/sx & .6 of 1% D60 fluid loss additive. Pulled tbg & filled hole w/tbg displmt. Max press 200 psi @ 1 B/M w/4-1/2 bbls in csg; slight blow outside 4-1/2 csg. Cont'd displ'g @ 1/4 B/M; press incr'd to 400 psi w/incr'd blow outside 4-1/2 csg @ sfc. With 7 bbls displacement in, press decr'd to 100 psi. SD 5 mins; vac. Installed Dowell recorder. SD for night

JUN 02 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1330. Prep to perf. Ran temp survey. Found top of cmt @ 900. Ran 3-7/8 scraper; found TD @ 1330' (tbg tally). Reverse circ'd hole clean w/KCl wtr. Tested @ 1330' 4-1/2 csg to 1600# for 10 mins, ok. Pulled scraper. Ran CBL from 1330 to 850. Log indicated 1330-1300 fair, 1300-1242 poor, 1242-1238 fair, 1238-1100 poor, 1100-1090 fair & 1090-950 poor. Reran CBL under 1500# press; not much chng.

JUN 03 1976

Carson Unit 34-11
(P&A Gallup & Recom
in Pictured Cliffs)

TD 1330. Prep to spt acid. Perf'd w/3-3/8" hollow-carrier hyper jet, 11-gram @ 1285 & 1120 for sqz job. Set CICR @ 1255. RU Dowell & pmp'd down tbg against sqz perfs @ 1285 w/300#. Pmp'd down 4-1/2 csg against sqz perfs @ 1120 w/200#. Pmp'd 2 bbls & press down tbg w/max press of 800#. Press test tbg to 2000#, ok. Press tbg against perfs @ 1285 w/800# w/drop of press to 600# in 6 mins. Repeated 5 times for 30 mins w/no break. Repress 4-1/2" csg against perfs @ 1120. Pmp'd 2 bbls @ 0 press. Pmp'd 1/2 bbl more @ 200#. Press rose to 300# & decreased to 100# in 10 mins.

JUN 04 1976

Carson Unit 34-11
(P&A Gallup & Recom
in Pictured Cliffs)

JUN 07 1976

TD 1330. 6/5 Prep to run temp survey. Press sqz perfs @ 1285 w/800#; no bleed off. Press down 4-1/2 annulus to 200#. Unstung from retainer. Reverse circ'd. Pulled tbg to 1115. Spt'd 250 gals 7-1/2% HCl acid (6 bbls) down tbg. Broke circ after pmp'g 10 bbls KCl wtr. Pmp'd total of 29 bbls. Bridged off @ 300# by displacement 8" bore hole. Press'd to 200-250# & released 25 times attempting to break bridge; no break. Spt'd 250 gals 7-1/2% HCl & stung back in pkr. Broke form @ 800# - 1 B/M @ 400# circ'g outside 4-1/2 csg to 1120, then inside 4-1/2 csg to sfc. Reverse circ'd & stung back in retainer. Unable to pmp @ 800#. Pmp'd down 4-1/2 annulus @ 1120. Reversed circ ok; would bridge off after pmp'g 7 bbls. Switched manifold back & forth as above until free circ maintained @ 1/4 B/M @ 0 press. Hole outside 4-1/2 csg finally bridged off w/no indication of circ to sfc. Note: Believe 1st acid channeled or went into form above 1120. Est bridge outside 4-1/2 csg @ 361. Spt'd 50 sx Class A cmt & 1% CaCl2. Stung back in ret. Pmp'd 10 bbls slurry. POOH. (Tbg dry indicating no cmt back thru perfs @ 1120.) Good circ thruout job. 6/6 Ran temp survey. Full hole cmt outside 4-1/2 csg @ 1035 (85') above top sqz perfs @ 1120. TD inside 4-1/2 csg @ 1074 (46') above top sqz perfs @ 1120. 6/7 Prep to drl cmt.

Carson Unit 34-11
(P&A Gallup & Recom
in Pictured Cliffs)

TD 1330. Prep to perf. Ran 3-7/8 bit & tbg. Reverse drld to 1255 & circ'd hole clean. Press tested annulus against sqz perf @ 1120 w/500# for 10 mins, ok. Pulled tbg & bit. Ran scraper to 1258; reverse circ'd hole clean. Press tested 4-1/2 csg against sqz perfs @ 1120 w/500# 10 mins, ok. Pulled tbg & scraper. Ran CBL 1264 to 1050: 1259-1220 good bond; 1220-1210 fair; 1210-1196 good; 1196-1175 fair; 1175-1168 good; 1168-1050 fair to poor. Ran CBL under 500 psi. Ran tbg to 1235. Swab'd FL down to 1000'. Pulled tbg. SD for night.

JUN 08 1976

Carson Unit 34-11
(P&A Gallup & Recom
in Pictured Cliffs)

TD 1330. Flowing; prep to frac. FL 860'. Perf'd 1226-1236. Good blow of gas in 2 mins. Perf'd 1216-1226 (total of 20' & 27 holes). FL up hole on 2nd run to 680'. 30-min SICP 86#. Blew well to pit 1 hr @ rate of 53.4 MCF/D; no fluid recovery. Set pkr @ 1180' w/10,000# (well unloaded fluid out tbg while RIH). Ran swab twice; swab'g from 1175. Well unloaded & clean flw'g to pit @ 171 MCF/D, 1/2" plate, 18# static press. Flwd well to pit 3 hrs. Press tested tbg w/N2 to 3000# for 5 mins, ok. AT Pictured Cliff form 1216 to 1236 as follows: 3000 SCF pad vol (N2), 500 gals 7-1/2% HCl acid containing 2 gals A170 inh'r, 10# L41 iron sequestering agent, 1 gal F52 foaming agent w/300 SCF N2 per bbl. Broke form @ 1200#. Max TP 1200 psi, min 750. ISIP 700 psi, 5 mins 650. Opened well w/good blow; dead in 5 mins. FL 1030'. Swab'd off btm. Rec'd 5 bbls drlg mud. Flwd well overnight 12 hrs. Flw'g @ rate of 215 MCF/D, 1/2" plate w/28# static press.

JUN 09 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1330. Flow'g. Flwd well to pit total 17 hrs after flush job @ rate of 215 MCF/D. Foam frac'd Pictured Cliff zone 1216-1236 (27 holes) w/70 quality foam as per prog, 41,000 gals foam, 28,000# 20-40 mesh sd & 28,000# 10-20 sd @ rate of 17.5 B/M down hole. Max press 2200 psi, min 2000. ISIP 850 psi, 15 mins 700. No communication @ sfc, outside or inside of 4-1/2 csg. RD Dowell & Newsco. Hooked up to backflow for cleanup. Opened well to pit 2 p.m. 6/9. Good blow of foam & N2; very slight sd rec. Backflwd 17 hrs & well still backflw'g to pit thru 24/64" chk w/30-60# FTP.
JUN 10 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1330. Flowing. Pmp'd 1 bbl KCl wtr down tbg to displace sd. Set Otis plug chk. Removed BOP & retrieved plug chk. 2-hr SITP 200#. Opened well thru 24/64" chk w/good spray of foam frac w/2-hr stabilized flw of 225 MCF/D & 80# FTP. Released rig 2 p.m. 6/10/76.
JUN 11 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1330. Flw'g to pit thru 24/64" chk w/50-75# FTP. Still rec'g foam frac. Gas will burn continuously.
(Report discontinued until further activity)
JUN 14 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1227. (RRD 6/14/76) SI well 6/16. Checked TD @ 1227 & found btm 9' of perfs covered w/sd (1216-1236). Well flwd 160 continuous hrs before being SI @ stabilized rate of 325 MCF/D w/sml rec of foam frac thru 24/64" chk w/50 to 75# FTP.
JUN 17 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1227. 18-hr SITP 235#. Prep to sd pmp sd off btm 9' of perfs (1227-1236). Flwd well 1 hr 6/17 on 32/64" chk w/110# FTP; no foam frac rec - some sd. TP incr'd from 110# to 235# immediately.
JUN 18 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1227. 6/19 12-hr SITP 265 psi. Flwd well intermittently 12 hrs. Rec'd spray of sd & sml amt of foam frac. 6/20 Flwd well intermittently w/sml rec of sd. Btm 9' of perfs (1227-36) covered. SITP 270 psi.
JUN 21 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1227. Prep to test. Tefteller WL Serv checked TD @ 1227. Bailed sd to 1234 & thru bridge. Blew well clean & reached TD of 1254. Bridge 1227 to 1234. Opened well 6 a.m. 6/22 & stabilized flow (one hr) 1" plate was at the rate of 840 MCF/D.
JUN 22 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1227. Flwd well 12 hrs; final rate 790 MCF/D. SI well 6 p.m. 6/22 for 7 days.
(Report discontinued until further activity)
JUN 23 1976

Carson Unit 34-11
(P&A Gallup & Recomp
in Pictured Cliffs)

TD 1227. (RRD 6/23/76) 8-day SITP 220#. Ran 5-hr critical flow potential test: 1 hr - 3/4" plate 72# FTP - 890 MCF/D, 2 hrs - 3/4" plate 64# FTP - 791 MCF/D, 3 hrs - 3/4" plate 55# FTP - 680 MCF/D, 4 hrs - 3/4" plate 52# FTP - 643 MCF/D. Gas flow stabilized. SI well.
FINAL REPORT
JUL 01 1976