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

Form C-105  
Revised 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Federal <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
SF 078067

1a. TYPE OF WELL	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
2. Name of Operator	Shell Oil Company					
3. Address of Operator	P. O. Box 831, Houston, Texas 77001					
4. Location of Well	UNIT LETTER <u>L</u> LOCATED <u>1910</u> FEET FROM THE <u>South</u> LINE AND <u>590</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>11</u> TWP. <u>25N</u> RGE. <u>12W</u> NMPM					

7. Unit Agreement Name
Carson Unit
8. Farm or Lease Name
R. Mims #1
9. Well No.
13-11
10. Field and Pool, or Wildcat
Bisti - Pictured Cliffs
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.)	19. Elev. Casinghead	
9-2-75	-	10-2-75	6250.7' KB		
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
4920'	1148'				
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made	
1112' to 1136' Pictured Cliffs				No	
26. Type Electric and Other Logs Run				27. Was Well Cored	
Gamma Ray - Neutron				No	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	107'	12 1/4"	100 sx	
4 1/2"	9.5	4916'	7 7/8"	150sx 4% gel	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2 3/8"	1088	1088

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1112' to 1136'	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
.38"	1112-1136	70,000# 20/40 sand & foam
4 JPF		

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
10-21-75	4	1/2"		0	137	0	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
154	0		0	824	0		

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. Plantip</u>	TITLE <u>Division Operations Engr.</u>	DATE <u>APR 19 1977</u>

PLUG BACK & ATTEMPT TO RECOMP IN PICTURED CLIFFS

BISTI FIELD

SHELL OIL COMPANY

LEASE

CARSON UNIT

WELL NO.

13-11

DIVISION

WESTERN

ELEV

6250.7' KB

FROM: 9/4/75 - 10/30/75

COUNTY

SAN JUAN

STATE

NEW MEXICO

NEW MEXICO

BISTI FIELD

Carson Unit 13-11

(Plug back & attempt to recomp in Pictured Cliffs)

"FR" TD 4920. PB 4900. AFE #520287 provides funds to plug back & attempt to recomplete in Pictured Cliffs. 9/2 RU Farmington Well Serv & got pmp within 500' of surface. RU HOS & pmp'd 60 bbls hot wtr down csg. RD HOS. Fin'd pulling rods & pmp out of hole. Started pulling tbg. 9/3 Fin'd pulling tbg. Ran csg scraper on tbg to 4734. Hot oil tbg w/50 bbls hot wtr to clear tbg of wax & circ oil out of hole. Left well SI. Prep to pull tbg & csg scraper.

9/4/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11

(Plug back & attempt to recomp in Pictured Cliffs)

TD 4920. PB 4900. Prep to log & perf. Pulled tbg & csg scraper. Ran cast iron cmt ret on tbg to 4704 & set. Est pmp rate thru tbg @ 2-1/2 B/M @ 1000#. Press tested tbg to 2000#. Unstung from cast iron cmt ret. Press tested csg to 1250#, held ok. Stung back into cast iron cmt ret. Pmp'd 100 sx reg cmt w/4% gel & sqz'd Gallup perfs. Press started @ 1000# & dropped to 500. Press increased up to 1000# by the time flush was down to cast iron cmt ret. Broke loose from cast iron cmt ret & reversed flush out & pulled tbg.

9/5/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11

(Plug back & attempt to recomp in Pictured Cliffs)

TD 4920. PB 4900. 9/5 Press tested csg to 1250#, held ok. RU Schl & ran GR-Neutron PDC log from 1500 to surface. Ran sqz gun & perf'd 4 WSO holes @ 1233'. RD Schl & ran CIGR on tbg to 1205 & set. Attempted to circ to surface w/mud containing 2% CaCl<sub>2</sub> & 10#/1000 gals CaCl<sub>2</sub>. Pmp'd 16 bbls; got returns for short while then lost returns. Pmp'd 40 bbls mud; got returns for short while then lost them again. Pmp'd 50 more bbls mud & got returns for awhile then lost again. SD for night. 9/6 Attempted to circ to surface w/150 bbls mud containing 2% CaCl<sub>2</sub> & 10#/1000 gals CaCl<sub>2</sub>; unable to get good returns. Pmp'd 70 sx Class A cmt containing 4% gel & 1/4# flocele/sx cmt. Pmp'd @ rate of 2-1/2 B/M, 700# avg press. Press increased to 1000# w/5 bbls cmt left; got good returns. Displaced tbg w/4-3/4 BW & unstung from retainer. Reversed out; got 1 bbl cmt out. Circ'd hole w/clean wtr containing 2% CaCl<sub>2</sub> & 10#/1000 gals CaCl<sub>2</sub>. Pulled & LD tbg. Closed well in. Fin'd cmt 4:10 p.m.; will WOC 7 days. 9/7 Ran Temp Survey @ 1:30 a.m. Found top of cmt @ 1000'. (RDUFA)

9/6-8/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. (RRD 9/8/75) 9/14 After WOC 7 days,  
RU Schl & ran CBL from 1205 to 100' w/o press. Log showed  
bond from 1156-1204 good & found cmt top @ 1030'. Very  
poor bond between 1156 & 1030. Ran 2nd CBL w/500# press  
on csg w/little change. Ran gun & perf'd 2 WSO holes  
phased 180 deg @ 1150. RU HOT & attempted to circ to  
surface; unable to do so. Ran gun & perf'd 4 WSO holes  
phased 90 deg @ 1040; got circ for short while then lost  
it. Released Schl, HOT & SI well. 9/13-15/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. 9/15 RU Schl. Ran Model K cmt ret on  
WL & set @ 1148. Perf'd from 1112-1130; had 0 press on  
csg after perf'g. RD Schl. Ran Bkr Model R pkr on tbg  
to 1132 & set pkr. Press tested tbg to 2500#, held ok for  
5 mins. Unseated pkr & moved up hole to 1088' & set pkr.  
RU swabbing tools. Swabbed tbg dry; no entry of fluid or  
gas. Shut well in for night. 9/16/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. SITP 100#. Rec'd 2 gas samples, then  
shut well in. RU Dowell & Newsco to foam frac Pictured  
Cliffs down tbg. Pmp'd 10 BW down tbg to check for  
communication; no indication. Pmp'd 3000 gals foam pad  
followed by 2000 gals foam w/1/2#/gal 20-40 sd followed by  
2000 gals foam w/1#/gal 20-40 sd followed by 40,000 gals  
foam w/1-1/2#/gal 20-40 sd & flushed to perms. Foam  
contained surfactant & wtr contained 2% CaCl2 & 10#/1000  
gals CaCl2. Max press 2300#, min 2100, avg 2200. Foam  
rate 18.18 B/M, N2 rate 5466 SCF/min, wtr rate 5.35 B/M.  
Total N2 used 348,700 SCF. ISIP 1100 psi, 5 mins 1000,  
10 mins 925, 15 mins 900. Had slight communication between  
tbg-csg annulus of 450# when job first started. Press was  
down to 300# on tbg-csg annulus @ time job fin'd. Suspect  
slight pkr leak, but must be sealed off. RD Dowell & Newsco  
& opened well to pit @ 4:15 p.m. Had 450# on it; gradually  
bled down to 0# tbg press. By 8 p.m. well barely heading,  
but still flw'g a little sd & foam. 9/17/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. Flwd well to pit all day using mostly  
34/64" chk w/0-35# tbg press. Flw'g sd & sml amt of wtr.  
Blow kept getting stronger, but still unloading wtr & sd.  
Gas blow @ 4 p.m. was 475 MCF on 1" chk w/35# tbg press.  
Will flw well to pit overnight to try to clean up. 9/18/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. Flwd to pit on 1" chk all night; 35#  
tbgs press, 650 MCF gas w/some sd & tr of wtr @ 9 a.m. At  
2:30 p.m. on 24/64" chk, 540 MCF gas, very little sd &  
steady tr wtr on 145# tbgs press. Flwd well to pit on  
24/64" chk overnight.

9/19/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. Well SI to build press. Had 240# tbgs  
press @ 8 a.m. & @ 6 p.m.

9/23/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. Well SI to build press; 240# tbgs press.

9/24/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. (RDUFA)

10/1/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. (RRD 10/2/75) 10/3 Well SI; 250# tbgs  
press. Opened well & flwd to pit; flw'g back diesel & wtr.  
Flwd well from 2:30-5:30. SI for night. 10/4 Opened well  
& flwd back diesel & wtr. Well flw'g very little sd. Flwd  
well for 5 hrs; well cleaned up. Flw'g natural gas.  
SI well.  
(RDUFA)

10/7/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug back & attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. (RRD 10/7/75) Flowing well to clean up  
RU Nowsco. Ran 1" tbgs to 1140 to jet out frac sd from  
2-3/8 tbgs. Used 52,700 SCF nitrogen. Flwd well back for  
2 hrs on 48/64" chk, FTP 100 psi. Last 1/2 hr of flw  
period well started flw'g considerable amt of milky white  
fluid (possibly foam frac residue). Shut well in. Flwd  
well 7 hrs on 48/64" chk. Initial SITP 235#; final FTP  
95 psi.

10/10/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug Back & Attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. No report.

10/13/75

NEW MEXICO

BISTI FIELD

(Plug Back & Attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. No report.

10/14/75

NEW MEXICO

BISTI FIELD

Carson Unit 13-11  
(Plug Back & Attempt  
to recomp in Pictured  
Cliffs)

TD 4920. PB 4900. (RRD 10/23/75) On open flow potential  
press @ 1110' KB was 230 psi.

Run	Plate Size	BHP	Gas
#1	1/8"	229	79 MCF
#2	3/16"	225	177 MCF
#3	5/16"	213	458 MCF
#4	1/2"	196	824 MCF

In 1 hr press built to 220 psi. AOF 2600 MCF/D.  
FINAL REPORT

10/30/75