

## NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103  
(Rev 3-55)

## MISCELLANEOUS REPORTS ON WELLS

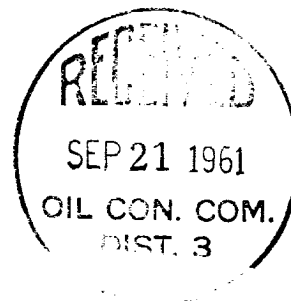
(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company <b>Consolidated Oil &amp; Gas, Inc.</b>		Address <b>2112 Tower Bldg., 1700 Broadway, Denver, Colo.</b>			
Lease <b>Govt. Cain</b>	Well No. <b>1-25</b>	Unit Letter <b>A</b>	Section <b>25</b>	Township <b>31N</b>	Range <b>13W</b>
Date Work Performed <b>6-2-61</b>	Pool <b>Basin Dakota</b>			County <b>San Juan</b>	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations      ☐ Casing Test and Cement Job      ☐ Other (Explain):  
☐ Plugging      ☒ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

**See attached redrilling and completion history.**

Witnessed by <b>R. B. Tenison</b>	Position <b>Vice President</b>	Company <b>Consolidated Oil &amp; Gas, Inc.</b>
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## FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA						
D F Elev. <b>5829</b>	T D <b>6905</b>	P B T D <b>6742</b>	Producing Interval <b>6676-6719</b>	Completion Date <b>1-21-57</b>		
Tubing Diameter <b>2" DK 1" MW</b>	Tubing Depth <b>3178 MW 5973 DK</b>	Oil String Diameter <b>7" &amp; 4 1/2"</b>		Oil String Depth <b>6742</b>		
Perforated Interval(s) <b>6676-88, 6692-6708, 6711-19 Dakota</b>						
Open Hole Interval <b>4488-4756 Mesaverde perfs.</b>			Producing Formation(s) <b>Dakota and Mesaverde</b>			

## RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover	<b>4-28-61</b>	<b>0</b>	<b>MW 18 DK 85</b>	<b>-</b>	<b>-</b>	<b>-</b>
After Workover	<b>8-15-61</b>	<b>5</b>	<b>DK 599</b>	<b>-</b>	<b>-</b>	<b>-</b>

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <b>Original Signed Emery C. Arnold</b>		Name 	
Title <b>Supervisor Dist. # 3</b>		Position <b>Chief Engineer</b>	
Date <b>SEP 21 1961</b>		Company <b>Consolidated Oil &amp; Gas, Inc.</b>	

STATE OF NEW MEXICO	
OIL CONSERVATION COMMISSION	
AZTEC DISTRICT OFFICE	
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# REDRILLING AND RECOMPLETION HISTORY

CONSOLIDATED OIL & GAS, INC.

GOVT.-CAIN NO. 1-25

San Juan County, New Mexico  
July 26, 1961

Location: 1095' FNL & 1075' FEL, Section 25  
T31N-R13W, N.M.P.M.

Elevation: 5817' Ground  
5829' K.B. - all measurements from K.B.

Re-spud: June 2, 1961

Redrilling Completed: June 21, 1961  
Well Recompleted: July 1, 1961

Total Depth: 6750' Drilled - OTD P.B. to 4221'  
6818' Redrilled  
6805' Plug Back (new)

Casing:  
Surface: 10 3/4" 32.75# H-40 cemented at 152' w/70 sx  
2% CaCl<sub>2</sub> cement.

Production: 7", 20# J-55 cemented at 4378' w/150 sx  
4 1/2" 11.0# J-55 originally run from 4258'-  
6472'. Sqz pkr set at 4221' and sqzd w/75 sx.  
Window cut 4173'-4185' in 7". 4 1/2" 9.5#  
J-55 run 4102'-6812' cemented w/400 sx 50/50  
Pozmix.

Tubing: 1 1/2" IJ J-55 hung at 6612'

Logs: B-J Simultaneous Nuclear

Cores and Drillstem Tests: None

Formation Tops: (log)

Pictured Cliffs	2124'	(+3705)
Pt. Lookout	4457'	(+1372)
Mancos	4801'	(+1028)
Greenhorn	6520'	(- 686)
Dakota	6665'	(- 831)

Producing Perforations: 6669' - 6679'  
6684' - 6698'  
6722' - 6728'  
6736' - 6753'

Treatment: 75,000# (40-60 and 20-40 mesh) sand, 113,000  
gal. water, 750 gal. acid, 10 balls in two  
stages.

Initial Potential: Initial flow volume into line 450 MCFD

## RECOMPLETION

WELL: GOV'T CAIN NO. 1-25  
(1095' F/NL & 1075' F/EL of Sec. 25-31N-13W)

FIELD: Basin-Dakota

COUNTY: San Juan STATE: New Mexico

ELEVATIONS: 5817' GD  
5829' KB

6/2/61

Moving on completion rig.

6/3/61

Pulling 1" Mesaverde annulus tubing string.

Tied on to Dakota tubing string yesterday and raised a few inches merely to determine that the wellhead could be properly removed and a strain taken on the tubing, if necessary - this was successful. Attempted to pump down Dakota tubing for abandonment of Dakota in this well but unable to pump away at 5000 PSIG - obtained only a slight bleed-off.

6/4/61

Fishing with wire line for the some 1800' of 1" tubing left in the hole two years ago.

Completed pulling 1" Mesaverde annular tubing string. Set cast iron permanent tubing plug in 2" Dakota tubing at 5095' KB. Dropped 8' of cement on top of tubing plug. Ran McCullough magnetector and found Dakota tubing string free at 4280'. (Note that the liner top is at 4258'.) Cut tubing with McCullough jet cutter at 4280' and retrieved same.

6/5/61

Going in hole with Howco DC Retainer to set in 7" casing in preparation for squeezing and abandoning the Mesaverde and all downhole sections.

WELL:

GOV'T CAIN NO. 1-25

6/5/61 (Cont'd)

Retrieved approximately 1600' of 1" tubing fish. This was pulled out of the hole in varying lengths - from 50' to 350' by using wire line fishing tools. Condition of all fish is considered junk. This leaves approximately 200' of 1" tubing fish which will be forever abandoned beneath the 7" retainer. After cementing Mesaverde, will move off small rig and move on large rotary drilling rig for sidetracking operation.

6/6/61

WOC and big rotary rig. Set Howco DC retainer in 7" casing at 4221'. Loaded hole with water through tubing and beneath retainer and pumped in 75 sx regular cement with 1# HAL additive No. 9 per 100# cement. Fluid went on vacuum until cement contacted perforations, at which time pressure went to 350 PSIG. Inserted dart which converts retainer to bridge plug. Pressure went to 1000 PSIG immediately when dart seated in retainer. Pulled tubing out of retainer - pulled tubing and landed down. Released small rig.

6/7/61

Rigging up rotary tools.

6/8/61

Preparing to pick up drill pipe and proceed with clearing casing to bottom and set whipstock for sidetracking operations.

6/9/61

Pulling drill pipe after unsuccessful attempt to set permanent type whipstock.

6/10/61

Going in the hole with Kinzbach Type No. 155 mill. Set permanent Kinzbach 2.3° whipstock with top at 4173'. Bottom of curved portion at 4185' with slips between 4185' and 4191'. Cut initial window with Kinzbach opening mill Type No. 154 from 4173' to 4175 1/2'. Pulled

WELL:

GOV'T CAIN NO. 1-25

6/11/61

Cleaning up window with Kinzbach mill No. 159 from 4173' to 4185'. Drilled with Kinzbach mill Type 155 to cut window from 4175' to 4185'. Pulled out of hole. Picked up Bit No. 1 (CP-EH3). Went in hole but hooked top of whipstock, damaged bit, and pulled out. Went in hole with Kinzbach Type 159 to dress up window and top of whipstock.

6/12/61

Drilled at 4312' with gas. Dusting O.K. Pulled out Kinzbach Type 159. Dressed Kinzbach Type 154 to overgauge of 1/4 inch but it would not go in the hole past 150' from surface. Pulled out and went in with second Kinzbach No. 155. Dressed out top of whipstock and reamed to total depth at 4189'. Pulled out of hole, put on Bit No. 2 (CP-EH3), one knuckle joint and one reamer but no drill collars and went in hole and drilled to 4220' using water as circulating medium. Pulled out of hole, picked up Bit No. 3 (CP-EH3) 6 drill collars with full gauge reamer above bit. Went in the hole blowing out water with gas as circulating medium to total depth of 4220'. Drilled ahead from 4220' to 4312' using gas as circulating medium. Dusting properly with no apparent fluid problems. Ran Totco deviation measurements at the following depths:

4190'	-	1/2°
4215'	-	1-1/2°
4250'	-	2-1/2°
4280'	-	2-1/4°
4305'	-	3°

Will take Totco each 100 feet for the balance of the well.

6/13/61

Drilling at 4530' with Bit No. 4. Dusting good. Bit No. 3 made 256' in 19 hours. Totco deviation 3° at 4410'; 3 3/4° at 4510'.

WELL:

GOV'T CAIN NO. 1-25

6/14/61

Fishing for drill collars and drill pipe. Drilled from 4507' to 4761'. Pipe torqued up and twisted off. Left 181' of 2 7/8" drill pipe and 360' of 2 7/8" drill pipe in hole. Recovered 240' of 2 7/8" drill pipe with overshot. Went in with overshot to fish for 2 7/8" drill collars and drill pipe.

6/15/61

Fishing for bit cones. Recovered remaining drill pipe and drill collars with overshot. Left three bit cones in hole. Total depth 4761'. Made reversing trip with Globe basket; recovered no cones. Ran magnetector recovered no cones. Ran bit and stirred up cones. Went in with overshot basket, drilled 6" conventional and 6" reversing and plugged with cement basket. Preparing to pull Globe basket.

6/16/61

Going in hole with bit # 4 to drill ahead. Recovered two cones with Globe basket. Made another trip with Globe basket and recovered bit cone. Laid down 2 7/8" drill pipe and picked up 3 1/2" drill pipe to drill ahead.

6/17/61

Depth 4796'. Drilled 56'. Going in with Bit No. 4. Lost cone - fished cone. Retrieved between bit cones a short piece of 1" MV tubing fish from prior hole.

6/18/61

Depth 5081'. Drilled 285'. Bit No. 5. Dev. 2 1/4° at 5060'.

6/19/61

Depth 5545'. Drilled 464'. Bit No. 6. Dev. 2° at 5530'.

6/20/61

Depth 6261'. Drilled 726'. Sand and shale. Drilling with Bit No. 6. Dev. 3 1/4° at 5930'. Had 21 1/4 hours drilling - 2 3/4 hours other.

6/21/61

Depth 6691'. Drilled 450'. Sand and shale. Drilling with Bit 7 (Tungsten carbide type). Dev. 11° at 6603', 10° at 6450', 10 1/2° at 6550'. Bit No. 6, VH-1, made 1145', ran for 32 1/2 hours. Dakota top at about 6660'.

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**NEW MEXICO OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

**REQUEST FOR (OIL) - (GAS) ALLOWABLE**

**New Well  
Recompletion**

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

**Denver, Colorado**

**September 25, 1961**

(Place)

(Date)

**WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:**

**Consolidated Oil & Gas, Inc.**

**Cain**

Well No. **1-25**, in **Ne**  $\frac{1}{4}$  **NE**  $\frac{1}{4}$ ,

(Company or Operator)

(Lease)

**A**, Sec **25**, T **31N**, R **13W**, NMPM., **Basin Dakota** Pool

Unit Letter

**San Juan**

County **Re- 6-3-61**

Date Drilling Completed **7-1-61**

Elevation **5829 KB**

Total Depth **6818** PBDT **6805**

Please indicate location:

Top Oil/Gas Pay **6665'**

Name of Prod. Form. **Dakota**

PRODUCING INTERVAL -

Perforations **6669-6679, 6689-6698, 6722-6728, 6736-6753**

Open Hole **-** Depth **6812** Tubing **6612**

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls. water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of Choke load oil used): \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls. water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Size \_\_\_\_\_

GAS WELL TEST -

Natural Prod. Test: **0** MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: **450** MCF/Day; Hours flowed **24**

Choke Size **3/4"** Method of Testing: **Info line**

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): \_\_\_\_\_

S.I. S.I. Date first new  
Casing Tubing  
Press. **1680** Press. **1680** oil run to tanks **7-12-61**

Oil Transporter **Foutz & Bursum 25%, Plateau, Inc. 75%**

Gas Transporter **Southern Union Gas Company**

Remarks: **Recompletion - same zone.**

I hereby certify that the information given above is true and complete to the best of my knowledge.  
Approved **SEP. 29. 1961**, 19\_\_\_\_\_, **Consolidated Oil & Gas, Inc.**  
(Company or Operator)

**OIL CONSERVATION COMMISSION**

By: **Original Signed Emery C. Arnold**

Title **Supervisor Dist. # 3**

By: \_\_\_\_\_ (Signature)

Title **Chief Engineer**

Send Communications regarding well to:

Name **J. B. Ladd**

2112 Tower Bldg., Denver, Colorado

STATE NAME		
OIL CONS. RELATION		
AZT. C. S. T. J. W. T. P. E.		
NUMBER OF CAMES RECEIVED		
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