

Form 9-371
7 May 1963UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM-03595

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Bco, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 669, Santa Fe, N.M. 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface1500 FNL and ~~970~~ FWL Sec 18 T24N R7W NMPM

7. UNIT AGREEMENT NAME

Escrito Gallup

8. FARM OR LEASE NAME

Escrito Gallup Unit

9. WELL NO.

5 (Formerly Eliz #3)

10. FIELD AND POOL, OR WILDCAT

Escrito Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

18-24N-7W NMPM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 7099

12. COUNTY OR PARISH

13. STATE

Rio Arriba

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

5-3-73 Ran cement bond log. (Two copies sent to USGS and one copy to OCC on 5-14-73).

5-5-73 Spear headed frac with 500 gallons 15% acid. Sand water fracked existing perforations
(5917-5970), with 25,000 #'s 10-20 sand and 25,430 gallons water. Avg treating pressure
2250 #'s, avg rate 29 BPM.5-5-73 Set 4 1/2" Halliburton Cast #A-803-574 bridge plug at 5870'. Perforated with
two HJ 3 3/8" shots per foot from: 5782-5834; 5747-5750; and 5728-5742 for a total
of 138 shots.5-5-73 Spear headed frac with 1500 gallons 15% acid. Sand water fracked perforations,
(5728-5834) with 75,000 #'s 10-20 sand and 64,500 gallons water. Breakdown 2,000 #'s;
Avg treating pressure 2350 #'s, avg rate 33 barrels per minute.Removed bridge plug. Swabbed well to clean up. Placed on pump jack and produced
well for 30 bbls. oil, 10 bbls. water, and 35 MCF on 5-15-73.

Attachments

Copies of Halliburton treating reports for stage one and stage two fractures

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE President

DATE 7-10-73.

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



JOB SUMMARY

HALLIBURTON
LOCATION

Farmington, N.M.

BILLED ON
TICKET NO.

623032

FORM 2012

1st Stage

CUSTOMER

BCO INC

Elizabeth-Federal

WELL NO.

3

JOB TYPE

Water-Sand Frac

5/5/73

Escrito - Gallup

SEC.

10' 18"

WELL DATA

24N

RNG. 7W

COUNTY

Rio Arriba

STATE

N.M.

FORMATION NAME **B Gallup** TYPE **OIL**

FORMATION THICKNESS **24'** FROM **5917'** TO **5941'**

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____

JOB DATA

80 Total Holes

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOT		
GUIDE SHOT		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID **Water** DENSITY _____ LB./GAL. API _____

DISPL. FLUID **Water** DENSITY _____ LB./GAL. API _____

PROP. TYPE **Sand** SIZE **10-20** LB. **25,000**

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE **HCL** GAL. **500** % **15%**

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

HE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE **Adomito Aqua** LB. **50** IN **2380**

GELLING AGENT TYPE **WG-6** GAL.-LB. **1600** IN **32,000**

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAQ BALLS TYPE _____ QTY. _____

OTHER **Hal-50 - 1/2 gal**

OTHER **Mor Flo 11-23 gals in 31670 gals**

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	LOOSE SACKED	ADDITIVES	YIELD CU.FT./SK.	FIXED: LBS./GAL.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT **2200**

BREAKDOWN **0** MAXIMUM **2350**

AVERAGE **2250** FRACTURE GRADIENT _____

SHUT-IN INSTANT **950** FLOW GRADIENT _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE **2000** USED **1332**

ATTACHMENT RATES IN BPM _____

TREATING **28.6** DISPL. **32** OVERALL **28.6**

CURRENT LEFT IN PIPE _____

FEET _____ REASON _____

PREFLUSH: BBL-GAL. _____ TYPE _____

LOAD & EXPOSURE: BBL-GAL. **2380** PADS: BBL-GAL. _____

TREATMENT: BBL-GAL. **25430** DISPL: BBL-GAL. **3860**

CEMENT SLURRY: BBL-GAL. **31670**

TOTAL VOLUME: BBL-GAL. _____

REMARKS _____

COPIES REQUESTED **one**

JOB LOG

TICKET NO. 623032

1 of 2

CUSTOMER ECO INC

PAGE NO.

Water-Sand Frac

DATE _____

5/5/73

FORM 2013

1st Stage

JOB TYPE[illegible]

JOB SUMMARY

FORM 2012 2nd Stage

HALLIBURTON LOCATION

Farmington, N.M.

BILLED ON
TICKET NO.

623032

CUSTOMER

BCO INC

LEASE

Elizabeth

WELL NO.

JOB TYPE

Water-Sand Froo

DATE

5/5/73

FIELD Escrito-Gallup SEC. 18 TWP. 24N RING. 7W COUNTY Rio Arriba STATE N. M.

FORMATION NAME Gallup TYPE Oil

FORMATION THICKNESS 69' FROM 5728' TO 5834'

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____

WELL DATA

	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM P.S.I. ALLOWABLE
CASING	used	4 1/2"	0	6005'	9.5	2400#
LINER				5870'		
TUBING						
OPEN HOLE						TOTAL DEPTH: 5870'
PERFORATIONS			5728'	5742'	138 Total	HOTS/FT.
PERFORATIONS			5747'	5750'	Holes	SHOTS/FT.
PERFORATIONS			5782'	5834'		SHOTS/FT.

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5/5/73</u>	DATE <u>5/5/73</u>	DATE <u>5/5/73</u>	DATE <u>5/5/73</u>
TIME <u>9:30</u>	TIME <u>11:30</u>	TIME <u>2:00</u>	TIME <u>4:19</u>

PERSONNEL AND SERVICE UNITS

NAME	EMPL. NO.	UNIT NO. & TYPE	LOCATION
<u>R. King</u>	<u>25588</u>	<u>Cementer</u>	<u>Farmington, 3725 Blend New Mexico</u>
<u>J. Sheppard</u>	<u>14054</u>	<u>Fieldman</u>	<u>Farmington, New Mexico</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Water-Sand Froo--2nd Stage

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TUG./ANN. ☐

CUSTOMER REPRESENTATIVE W

HALLIBURTON OPERATOR _____ COPIES REQUESTED one

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SR.	MIXED LBS./GAL.

PRESSURES IN PSI

CIRCULATING 2000 DISPLACEMENT 2500

BREAKDOWN 2350 MAXIMUM _____

AVERAGE 1750 10-min. 1650 15-min. 1625

SHUT-IN INSTANT _____ HYDRAULIC HOIST POWER _____

ORDERED 0 AVAILABLE 2000 USED 1901

AVERAGE RATES IN BPM

TREATING 33 DISPL. 25 OVERALL 33

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

VOLUMES

PREFLUSH: BBL/GAL. 3800 TYPE _____

LOAD & DRDN: BBL/GAL. 64,500 PAD: BBL/GAL. 4000

TREATMENT: BBL/GAL. _____ DISPL: BBL/GAL. _____

CEMENT SLURRY: BBL/GAL. 72,300

TOTAL VOLUME: BBL/GAL. _____

REMARKS _____

JOB LOG

CUSTOMER ECO INC.

PAGE NO. 2012

2nd Stage

JOB TYPE Water-Sand Frac

DATE 5/5/73

FORM 2013

[illegible]

Cyberlaw