

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-045-09134

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

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"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Mike Curry

3. Address of Operator

P.O. Box 800 Denver Colorado 80201

7. Lease Name or Unit Agreement Name

Duff Gas Com /C/

8. Well No.

1

9. Pool name or Wildcat

Basin Dakota Gas

4. Well Location

Unit Letter M : 925 Feet From The South Line and 950 Feet From The West Line

Section

M 27

Township 30N

Range 12W

NMPM

San Juan

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

5553 KB

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Remedial cement work to ensure zonal isolation behind casing. Also, drill out PBTD and perforate additional Dakota pay. See Attached.

RECEIVED
JUL 14 1993
OIL CON. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Michael Curry

TITLE

Business Analyst

DATE 7-13-93

TYPE OR PRINT NAME

Michael Curry

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Original Signed by FRANK T. CHAVEZ

TITLE

SUPERVISOR DISTRICT # 3

DATE

JUL 14 1993

CONDITIONS OF APPROVAL, IF ANY:

WORKOVER PROCEDURE
DUFF GAS COM "C" #1

OBJECTIVES: (1) Bradenhead repair to ensure zonal isolation behind casing. Recent bradenhead test indicates gas will flow from bradenhead when vented to atmosphere. (2) Drill to new PBTD and perforate additional Dakota sand that is completed in surrounding producers.

CURRENT WELL CONDITION: 2 3/8" TBG set at 6167'. Top perf at 6152', bottom perf at 6348'. PBTD at 6325'. 4 1/2" 10.5# casing set at 6365'. Cemented with 1600 sacks with stage tool at 4516'.

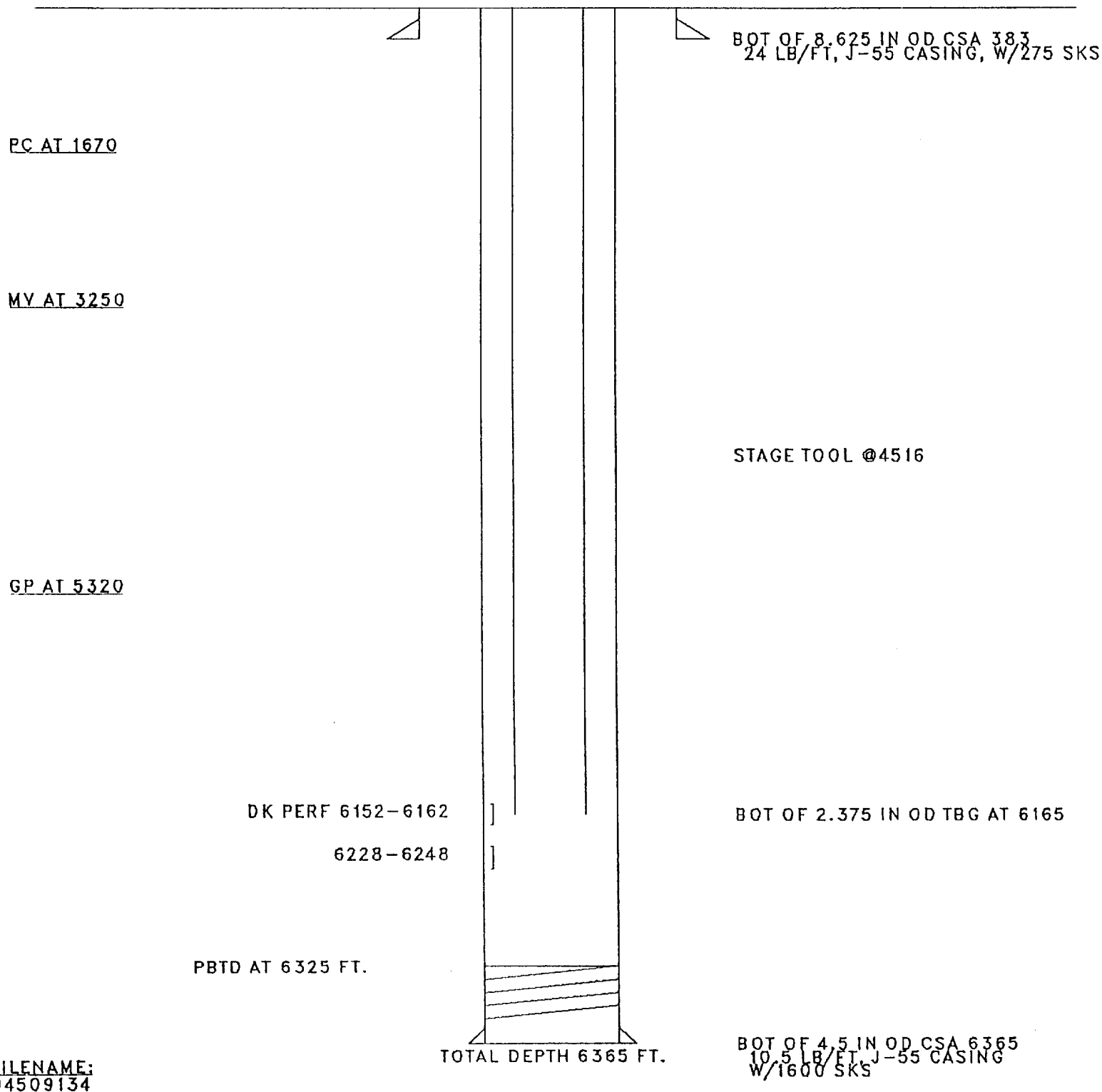
1. Contact NMOCD prior to starting the repair work.
2. Note casing, tubing and bradenhead pressures.
3. Take gas sample from the bradenhead and have it analyzed.
4. Test anchors. Install if necessary.
5. MIRUSU.
6. Blow well down. Kill if necessary with 2% KCl water.
7. NDWH, NUBOP's.
8. PU TBG and tag. PBTD 6325'.
9. POH and tally 2 3/8" TBG. Inspect the TBG and replace bad joints as needed.
10. TIH with bit and scraper to top perf at 6152'. POH.
11. TIH with RBP and PKR. Set RBP at 6050'. Pull one stand and test the RBP and the backside to 1000 psi. If RBP tests, spot sand on plug to protect retrieving head.
12. If casing tests OK, continue. If casing does not test, isolate bad casing. Establish an injection rate and record pressures. Contact Mark Glover with results.
13. POH with PKR. RU wireline and run CBL from RBP to surface. Run first pass with no pressure and second pass with 1000 psi on the casing. Contact Mark Glover with results.
14. Based on CBL, perforate above the cement top and establish circulation with surface. Estimate cement volume needed and cement the 4 1/2" casing to surface.

15. TIH with bit and scraper. Drill out cement and pressure test casing. Re-squeeze if necessary.
16. TIH with retrieving head and circulate sand off RBP. TOH with plug.
17. TIH with sawtooth collar and/or bailer and cleanout to PBTD of 6325'. TOH.
18. TIH with bit and slim-hole drill collars. Drill with N2 to a new PBTD of 6350'. POH.

NOTE: Want to minimize formation damage in open Dakota pay. 2% KCl water can also be used if the N2 will not provide needed circulation.
19. RU wireline and perforate 4 JSPf with 120 degree phasing from 6312' to 6328'. Perforations are based on Lane Wells Densilog x Gamma Ray dated 2-12-64. RD WL.
20. RIH with TBG and sawtooth collar. Cleanout to new PBTD. POH.
21. TIH with production string (1/2 mule shoe on bottom and a seating nipple one joint off bottom), land TBG at 6200'.
22. ND BOP's and NUWH.
23. Swab well in and return well to production.
24. RDMOSU.

MDG.93.06.28.

DUFF GAS COM C 1
LOCATION, 27M 30N 12W
SINGLE DAKOTA
ORIGINAL COMPLETION 03/64
LAST FILE UPDATE 04/93 BY CSW
GR 5541





STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

BRADENHEAD TEST REPORT
(Submit 2 copies to above address)

Date of Test 9/16/92 Operator Amoco Production, 200 Amoco Court, Farmington, NM
Lease Name Duff Gas Com Well No. 61 Location: Unit Section 27 Township 30 N Range 12 W
Pressure (Shut-in or Flowing) Tubing 550 Intermediate Casing 550 Bradenhead 143

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	INTERMEDIATE	CASING		
5 min.		<u>550</u>	Steady Flow <u>X</u>	
10 min.			Surges <u> </u>	
15 min.			Down to Nothing <u>X</u>	
20 min.			Nothing <u> </u>	
25 min.			Gas <u>X</u>	
30 min.			Gas & Water <u> </u>	
			Water <u> </u>	

If Bradenhead flowed water, check description below:

CLEAR FRESH SALTY SULFUR BLACK

REMARKS:

after ten minutes 20 lbs

By T. A. Black Witness

DUFF Gas Com C-#1

260# ON Braden Head

Bled DOWN 3 IN

Pumped 6 BBI- Press. To 600#

Broke Back To 230#

Pump in 3 BBI- P/m @ 230#

2-85

WELL COMPLETION AND WORKOVER DATA

BASIN DAKOTA FIELD

WELL NAME: DUFF GAS COM "C" NO. 1

LOCATION: 925 FSL, 950' FWL, SEC. 27, T30N, R12N
SAN JUAN COUNTY, NEW MEXICO

ELEVATION: 5553 KB, TD: 6365', PBD: 6325

CASING & CEMENT: 8-5/8" CSA 383" WITH 275 SKS, 4-1/2" CSA
6365' WITH 1600 SK 2 STAGE
2-3/8" TBA LANDED AT 6165'

COMPLETION DATE: 3-1-64, 1ST DELIVERY 6-24-64

COMPLETION INTERVAL: 6228-48 X 6152-62

PERFORATIONS: 62²8-48 2 SPF 6152-62 4 SPF

SPECIAL EQUIPMENT: NONE

INITIAL POTENTIAL: 2502 MCFPD 3/4" CHOKE, AOF 2637 MCFPD

CORE INTERVAL: 6150-6291

DST RESULTS: NONE

LOGS RUN: NONE

ORIGINAL COMPLETION: 6228-48 FRACED THIS INTERVAL WITH
44,600 GAL WATER CONTAINING 1% CaCl X 7# J-114
PER 1000 GAL X 28,740# 20-40 SN FOLLOWED BY 6300#
10-20 SN BDP 3800 AIR 24.6. SET BP AT 6195 X
PERFED 6152-62 FRACED THIS INTERVAL WITH 30,000
GAL WATER CONTAINING AS ABOVE X 15,000# 20-40
SN X 5,000# 10-20 SN, BDP 1900 MAX TP 3600 MIN
TP 3400, AIR 25.5 BPM

WORKOVERS & EQUIPMENT CHANGES: NONE

DATE: AUGUST 1, 1977

PAN / ERICAN PETROLEUM CORPORATION

PIPE TALLY AND CEMENTING RECORD

LEASE DUFF GAS UNIT "C" WELL NO. 1 DATE 2-13 1964
 PIPE RUN SIZE 4 1/2" WEIGHT 10.5 GRADE J-55 TYPE JOINT STNC MAKE _____ NO. FT. _____
 PIPE RUN SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ NO. FT. _____

NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		NO.	LENGTH OF JOINT		TALLY OF JOINTS NOT RUN	
	FEET	IN.		FEET	IN.		FEET	IN.		FEET	IN.		FEET	IN.	NO.	LENGTH OF JOINT FEET IN.
1	1	27	51	33	34	101	33	27	151	33	78	201	33	12		
2	33	19	52	33	63	102	33	24	152	30	52	202			1	30 52
3	1	69	53	32	67	103	33	21	153	33	53	203			2	30 08
4	29	97	54	33	76	104	32	66	154	31	64	204			3	29 63
5	33	89	55	33	18	105	32	96	155	33	49	205			4	31 23
6	33	66	56	33	64	106	33	63	156	33	56	206			5	31 70
7	31	53	57	33	22	107	33	04	157	30	08	207			6	
8	33	69	58	33	14	108	30	04	158	33	24	208			7	
9	32	20	59	33	16	109	33	57	159	33	59	209			8	
10	32	26	60	33	34	110	33	61	160	33	45	210			9	
11	32	81	61	32	96	111	30	69	161	32	58	211			10	
12	31	90	62	32	84	112	31	10	162	33	26	212			11	
13	32	64	63	33	86	113	33	20	163	33	36	213			12	
14	33	05	64	33	52	114	33	61	164	33	16	214			13	
15	33	42	65	33	70	115	33	68	165	33	77	215			14	
16	33	50	66	31	95	116	37	51	166	33	66	216			15	
17	33	43	67	33	66	117	33	59	167	32	—	217			16	
18	31	70	68	33	58	118	32	80	168	33	30	218			17	
19	33	29	69	33	55	119	33	55	169	33	66	219			18	
20	33	20	70	33	76	120	33	04	170	33	36	220			19	
21	33	60	71	33	20	121	33	15	171	33	33	221			20	
22	29	47	72	33	22	122	31	68	172	33	16	222			21	
23	33	61	73	33	44	123	33	16	173	33	31	223			22	
24	33	18	74	33	59	124	31	23	174	33	07	224			23	
25	33	29	75	33	59	125	33	03	175	33	15	225			24	
26	33	56	76	33	55	126	31	27	176	29	63		35	12		133 16
27	31	04	77	33	21	127	33	41	177	33	48					
28	33	38	78	32	90	128	31	—	178	33	08					
29	32	91	79	33	80	129	33	58	179	32	12					
30	33	30	80	30	72	130	33	64	180	32	27					
31	29	81	81	33	20	131	33	53	181	32	05					
32	30	35	82	33	37	132	32	67	182	33	17					
33	32	57	83	33	15	133	31	82	183	33	75					
34	32	84	84	30	66	134	33	55	184	33	55					
35	32	70	85	33	58	135	31	81	185	22	85					
36	33	33	86	29	16	136	32	59	186	33	34					
37	31	93	87	32	36	137	32	96	187	33	24					
38	31	95	88	33	09	138	33	81	188	33	10					
39	32	28	89	33	78	139	33	50	189	33	51					
40	28	36	90	33	25	140	33	02	190	33	68					
41	32	34	91	33	43	141	33	56	191	33	38					
42	33	46	92	33	25	142	33	33	192	31	23					
43	32	08	93	33	43	143	29	65	193	32	68					
44	33	37	94	33	38	144	31	39	194	33	08					
45	33	24	95	33	34	145	32	90	195	33	17					
46	30	03	96	28	78	146	33	89	196	33	51					
47	32	92	97	33	79	147	33	18	197	33	55					
48	33	—	98	33	53	148	33	41	198	32	75					
49	33	70	99	33	18	149	32	59	199	33	21					
50	30	25	100	33	89	150	32	94	200	33	03					

NO. JOINTS DELIVERED 201
 NO. JOINTS RUN 197
 TOTAL RUN - OVERALL 6399.57
 OFF FOR THREADS 43.10
 TOTAL - THREADS OFF 6356.47
 TOP PIPE BELOW:
☒ ROTARY DRIVE BUSHING 8.70
☐ DERRICK FLOOR
 DEPTH LANDED 6365.00
 CEMENT - MAKE Idemil RT-
 KIND USED 6% gel. 2" NIP + Next - 6% 2 1/2"
 NO. SACKS 410 + 100 - 1100
 METHOD HOWCO DU Tool
 REMARKS:
Circu - 11:45 AM - 2nd Stage - 2:00 P.
down - 12:30 PM - 4:30 P.
Mix - 12:41 - 5:41 P.
dip - 1:00 - 5:14 P.
R.D. - 1:13 - 5:54 P.
Circu - 23 Bls - 1st Stage -
Circu - 22 Bls - 2nd Stage -

1559.66 1653.28 1437.25 1647.45
 TOT - 65.30.73 + 21 DV = 65.32.73
 LENT. on 31 - 4 - 5 - 8 - 10 - 21 - 28 - 58 - 60 - 64 - 70 - 76 - 84 - 90 - 96 -
 SCRATCHERS - TOT - 15 - FROM - 6130 TO - 6270 - DV - Tool @ 4516 - TOP IT - 58 OK