

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

14-20-603-1377

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of Atlantic Richfield Company	3. UNIT AGREEMENT NAME Navajo Allottee
3. ADDRESS OF OPERATOR 707-17th Street P.O. Box 5540, Denver, CO 80237	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit "K" NE SW, 2460' FSL & 1800' FWL, Sec.24	5. FARM OR LEASE NAME Navajo Allotted "A" Co
6. PERMIT NO. (Application App'd. 1-17-1966)	7. ELEVATIONS (Show whether on SURFACE or in FARMINGTON RESOURCE AREA) 6708' GR	8. WELL NO. 1
		9. FIELD AND POOL, OR WILDCAT Basin Dakota
		10. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec.24-T25N-R10W
		11. COUNTY OR PARISH San Juan
		12. STATE NM

RECEIVED
SEP 14 1984

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

19. 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 pertinent to this work.)

ARCO Oil and Gas Company, Operator, proposes to plug and abandon the subject well.

Well #1 was completed in February, 1966 as a Dakota formation producing well for 400 MCFPD. Production has declined from a high of 280 MCFPD in October, 1966 to its final rate of 15 MCFPD when it last produced in April, 1982. The Dakota zone production appears to be depleted. All other zones that appear on the logs are either too tight or too wet. The well has been determined to be incapable of commercial production.

Therefore, in compliance with the BLM request to P&A this well (copies of letters attached), we request permission to plug and abandon well as per the attached P&A Procedure.

RECEIVED

SEP 20 1984

OIL CON. DIV.

DIST. 3

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

SIGNED Stephen Rose

TITLE Dist. Prod. Sup't.

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

NMOCC

*See Instructions on Reverse Side

APPROVED
DATE 9/7/84

SEP 18 1984

DATE Starlan J. Hiner
for M. MILLENBACH
AREA MANAGER

PLUG AND ABANDON PROCEDURES
Navajo Allotted "A" Com #1
San Juan County, New Mexico

I. Location

2460' FSL, 1800' FWL, Sec. 24-T25N-R10W
Basin - Dakota
San Juan County, New Mexico

II. Well History

- . Spudded 1-18-66, Ran 4-1/2" Csg, completed in Dakota on 2-16-66.
- . IP : 400 MCFPD
- . Production has declined from a high of 280 MCFPD in Oct. 1966 to its final rate of 15 MCFPD in its last year of production
- . Cumulative production 155 MMCF
- . Last produced - April 1982. Well is not capable of commercial production

III. Existing Well Status

- . This particular zone of production in the Dakota appears to be depleted. All other zones that appear on the logs are either too tight or too wet. Zones considered include Mancos, Pictured Cliffs and the Gallup.
- . Lease has expired and ARCO still has obligation to P&A this well

TD: 6540'

PBTD: 6423' (CIBP @ 6460 w/35' fish on top)

TOC: 4125' (CBL & Temp Survey)

Production Csg: 4-1/2", 10.5#, J-55, STC @ 6535' w/550 sx
in 7-7/8" hole

Surf Csg: 8-5/8", 24# @ 343' w/220 sx in 12-1/4" hole

Tbg: 2-7/8" OD, 6.5#, J-55, Seal-Lok Tbg in Pkr
@ 6348'

Perfs: 6390' - 6413' w/4 SPF

IV. Geology

<u>Formation</u>	<u>Top</u>
Ojo-Alamo	996'
Pictured Cliffs	1830'
Lewis Shale	2000'
Mesaverde	2723'
Mancos	4517'
Gallup	5360'
Greenhorn	6233'
Graneros	6238'
Dakota	6390'

V. P&A PROCEDURE

- Abbreviated procedure to P&A well without recovering 4-1/2" casing -

1. M.I. R.U.
2. Kill well
3. N.D. Christmas Tree and N.U. BOPE
4. Cut off tbg as close as possible to permanent pkr @ 6348' if unable to release from pkr.
5. Load well w/ 9.2 ppg gel mud
6. Place Plug #1. ~~EZSV-Cmt. RET.~~
 - . R.I.H. w/ ~~sqz pkr~~ and set @ 6300'
 - . Sting into ~~sqz pkr~~ and sqz Dakota perfs (6390'-6413') w/ approx. 50 sx cement
 - . Sting out of ~~sqz pkr~~ and place a 10 sx cement plug on top of ~~sqz pkr~~ @ 6300'
 - . Pressure test casing to 1500 psi and hold for 15 min.
7. Place Plug #2.
 - . 10 sx cement plug set thru tbg inside 4-1/2" csg from 5360' to approx. 5260' (100' plug to isolate Gallup and Mesaverde)
8. Place Plug #3.
 - . Perforate 4-1/2" csg @ 1930'
 - . Place a 100' cmt plug (100' inside 4-1/2" csg and 100' in annulus) by braden head squeezing thru perfs.
 - . Plug location = 1930' to 1830'
 - . Isolates Mesaverde and Pictured Cliffs
 - . Approx. 30 sx cement.
9. Place Plug #4.
 - . Perforate 4-1/2" casing @ 1175'
 - . Place a 200' cement plug (200' inside 4-1/2" csg and 200' in annulus) by braden head squeezing thru perfs
 - . Plug location = 1175' to 975'
 - . Isolates Ojo-Alamo formation
 - . Approx. 60 sx cement.
10. Place Plug #5.
 - . Perforate 4-1/2" csg @ 400' (approx. 50' below surf csg shoe)
 - . Place a 100' cement plug, 50' above and 50' below shoe (100' inside casing and 100' in annulus) by braden head squeezing thru perfs
 - . Plug location = 400' to 300'
 - . Approx. 40 sx cement.
11. Place Plug #6.
 - . 10 sx cement surface plug.
 - . CUT-OFF & SALVAGE CASING HEAD AND ACCESSORIES
 - . INSTALL DRY HOLE MARKER
 - . R.D.M.O.

NOTE: WILL SET
EZSV-CMT. RET.
F/SQUEEZING PERFS.
RDL

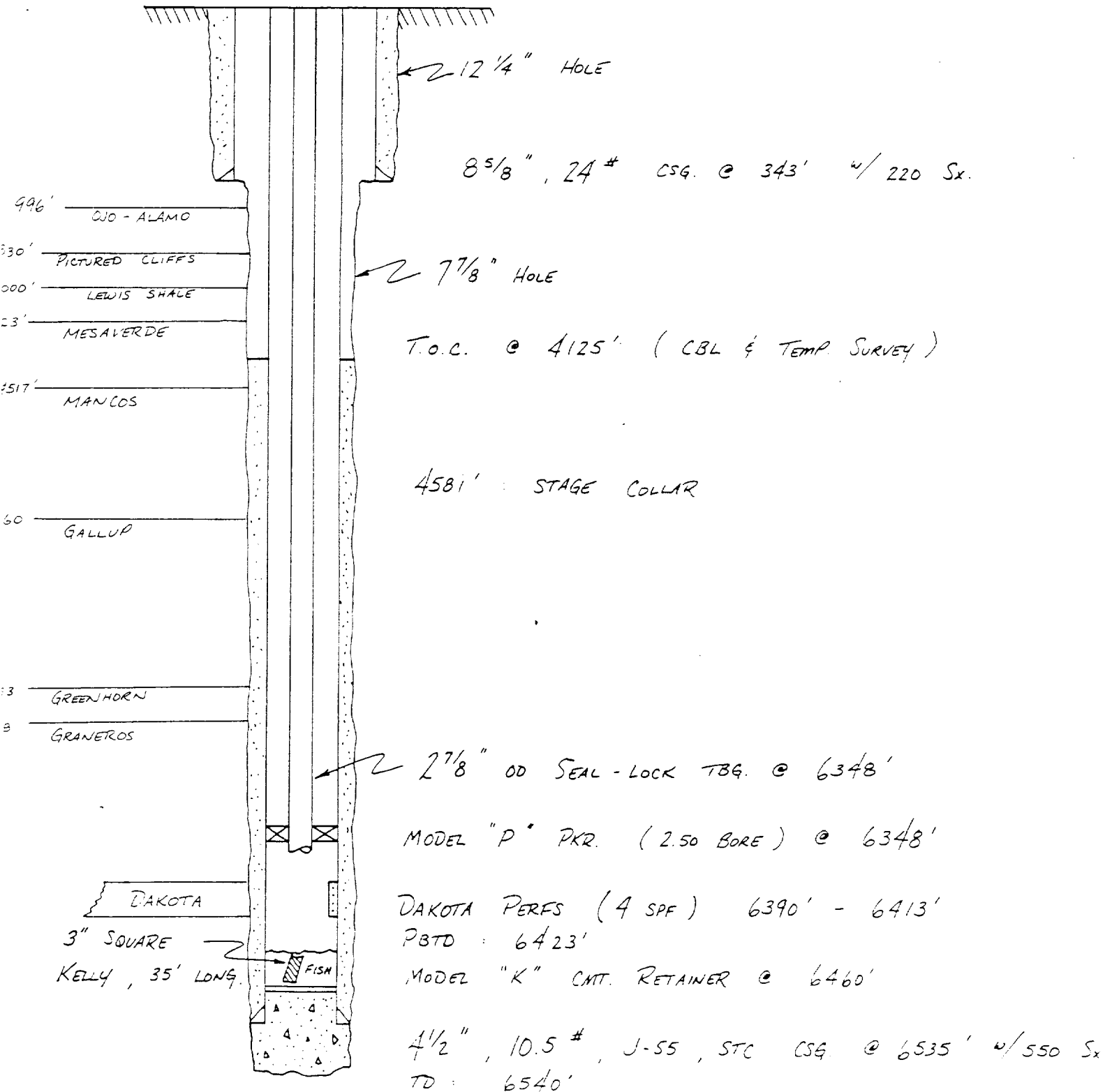
- RDL

General Purpose Worksheet

Subject: <u>WELLBORE SCHEMATIC</u>	Page No. <u>01</u>
File <u>NAVAJO ALLOTTED A Com. #1</u>	By <u>T.P.M.</u> Date <u>8-1-84</u>

PRESENT STATUS:

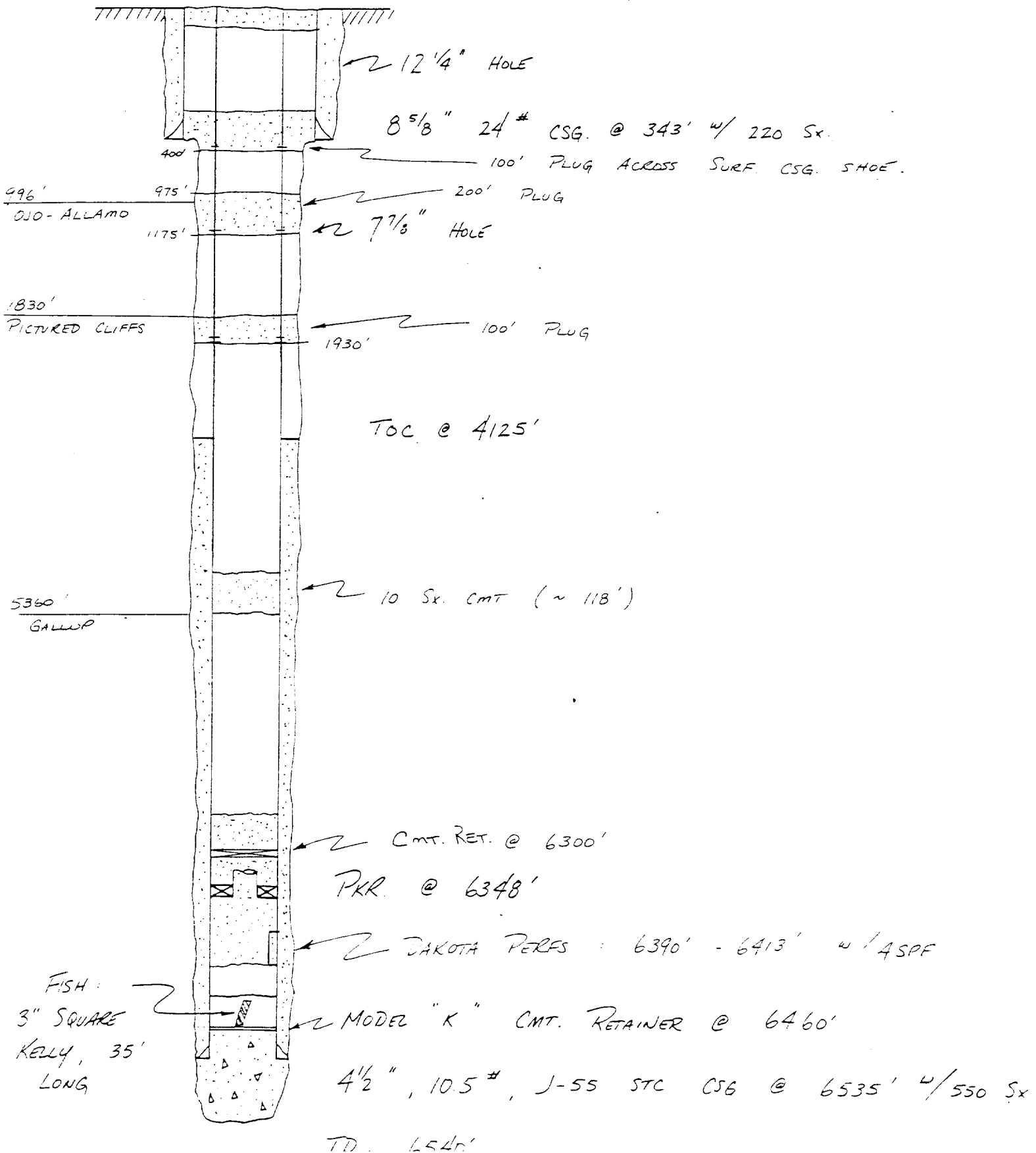
LOC: 2460' FSL & 1800' FWL
SEC. 24, T25N-R10W



General Purpose Worksheet

Subject: NAVAJO ALLOTTED "A" COM #1 Page No: 01
 File: PROPOSED P & A By: TPM Date: 8-20-84

NO RECOVERY OF 4 1/2" CASING





United States Department of the Interior

No. 14-20-603-1377

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREACaller Service 4104
Farmington, New Mexico 87499

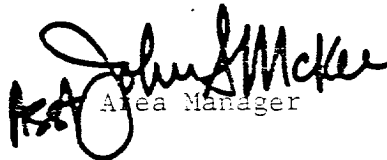
13 JUL 1984

Arco Oil and Gas Company
Attn: Mr. B. R. Still
P. O. Box 5540
Denver, CO 80217

Dear Mr. Still:

Enclosed please find a copy of our letter inadvertently sent to your Dallas office, regarding the status of your well No. 1-A Navajo Com, NE $\frac{1}{4}$ SW $\frac{1}{4}$ section 24, T. 25 N., R. 10 W., San Juan County, New Mexico, lease No. 14-20-603-1377. The letter and CFR reference are self explanatory. Your prompt attention is appreciated.

Sincerely yours,


Area Manager

Enclosure

Caller Service 4104
Farmington, New Mexico 87401

CERTIFIED P 706 537 151

Arco Oil and Gas Company
P. O. Box 2819
Dallas, Texas 75221

16 MAR 1994

Gentlemen:

Reference is made to your well No. 1-A Navajo A-Conn, N&SW1/4 sec. 24, T. 25 N., R. 10 W., San Juan County, New Mexico, lease No. 14-20-003-1377. This well ceased production in April, 1982. Your attention is directed to 43 CFR 3162.3-4 entitled Well Abandonment.

Accordingly you are required to submit within 30 days of the date of this letter a Sundry Notice of intent to plug and abandon this well.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Sincerely yours,

(SGD) MATHEW N. KELLENBACH

Area Manager

BUREAU OF LAND MANAGEMENT
Caller Service 4104
Farmington, New Mexico 87499

Attachment to Notice of
Intention to Abandon

Re: Permanent Abandonment

Well: 1A Navajo Allotted 'Com A'

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. The Farmington office (telephone (505) 325-4572) is to be notified in sufficient time for a representative to witness all plugging operations.
3. Blowout prevention equipment is required.
4. In addition to normal filling of pits and cleanup of location, additional surface restoration work may be required, i.e. ripping of pad and/or access road, reseeding, etc. We have asked the Surface Management Agency for the surface restoration requirements for this well and we should be able to furnish you these requirements within 30 days. After plugging the well and before making final clean-up, you should contact this office unless you have already been advised as to what additional surface restoration work is required.
5. The following modifications to your plugging program are to be made (when applicable):

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Office Hours: 7:45 A.M. to 4:30 P.M.

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 15 sacks or 100 feet in length, whichever is greater.
5. Any cement plug placed when well is not full of fluid, or when well may be taking fluid, will be touched after cement has set to verify proper location.
6. Mud must be placed between plugs. Minimum consistency of plugging mud must be 9.2 lbs/gal. Brine is to be utilized for mixing mud where possible.
7. Within 30 days after plugging work is completed, file Subsequent Report of Abandonment, Form 3160-5 (formerly 9-331), in quintuplicate with Area Manager, Bureau of Land Management, Caller Service 4104, Farmington, New Mexico 87499. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.
8. All permanently abandoned wells are to be marked with a permanent monument, on which has been stenciled or beaded the well name, well number, and well location by quarter-quarter, section, township and range. The monument is to be of steel pipe, not less than four inches in diameter, cemented permanently in the ground, and extending four feet above general ground level. The top should be closed with a screw cap, welding, or a cement plug.
9. After plugging work is completed:
 - a. Fill all pits, rat hole and cellar.
 - b. Clean well location of all equipment, concrete bases, pipe, junk and
 - c. Cut or remove tie downs.
 - d. If last well on lease, and no additional drilling is contemplated, fill tank battery pits, remove battery equipment, and clean and level battery location.
 - e. Accomplish surface restoration as specified by the surface management agency or land owner.

All above are minimum requirements. The Subsequent Report of Abandonment will not be approved and the period of liability under the bond of record terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget: Bureau No. 1004-0135
Expires August 31, 1985

3. LEASE DESIGNATION AND SERIAL NO.

14-20-603-1377

3. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Allottee

UNIT AGREEMENT NAME

5. FARM OR LEASE NAME

Navajo Allotted "A" Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec.24-T25N-R10W

OIL ☐ GAS ☒ OTHER ☐

2. NAME OF OPERATOR

ARCO Oil and Gas Company
Atlantic Richfield Company

3. ADDRESS OF OPERATOR

707-17th St.
P.O. Box 5540, Denver, CO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.
At surface Unit "K".

NE SW, 2460' FSL & 1800' FWL, Sec.24.

14. PERMIT NO.

(Application

App'd. 1-17-1966)

15. ELEVATIONS (Show whether (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181) (182) 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County or Parish San Juan		State New Mexico
Lease or Unit Navajo Allotted "A" Com.		Well no. 1
Title Plug and Abandon		

12/11/84

MI & RU Pulling Unit. Pump 60 bbls water down csg., to kill well. Nipple up BOP. Rig up HOMCO Wireline Truck and freepoint Tool. Ran FP Tool in 2 7/8" tbg to 5976'. Worked down to 6028'. Could not get deeper. Tbg free @ 6028'. Made up jet tbg cutting Tool. Picked up 10 pts over tbg weight prep to cut. Tbg came free. Pull jet cutter. Pull 2 jts tbg. Secure Well. SDON.

12/12/84

Trip out with 2 7/8" tbg. Lay down 17 joints of bad tbg. Pick up 4 1/2" Casing scraper & bit. Trip in hole to 6008'. Trip out of hole with 2 7/8" tbg.

Prep to squeeze Dakota & set bottom plug. SDON.

12/13/84

Ran Baker full-bore packer on 2 7/8" tbg. w/300' tbg Tailpipe. Bottom tailpipe 6108' GLM. Set pkr. Could not pump into Dakota. Two tries at 3500 psig.

Released pkr. spotted 20 xs Class "B" cement plug (6108'-5844'), 264'. Circulated hole w/9.2# mud. Spotted 20 sx. Class "B" cement plug (5361'-5097'), 264'. Perf. 3 holes in 4 1/2" csg. @ 1930'. Squeezed 28 1/2 sx through perfs. Annulus plug 1930'-1805' (125'). Left 12 1/2 sx plug inside 4 1/2" csg. (125').

12/13/84

Perf. 3 holes in 4 1/2" csg. at 1175'. Mixed 70 sx Class "B" cement. Squeezed 50.5 sxs through perfs into annulus (1175'-955') 220'. Left 19.5 sx plug inside 4 1/2" csg. (1175'-955') 220'. Perf 3 holes in 4 1/2" @ 400'. Closed Blind rams and displaced 31 sx into annulus behind 4 1/2" csg. (400'-300'), 100'. Left 9 sx plug inside 4 1/2" csg. (400'-300'), 100'. SDON.

12/14/84

Nipple down BOP. Set 10 sx. Class "B" Cement plug in 4 1/2" csg. (118'-0'). Nipple down casing head. Set 4" dry hole marker.

FINAL REPORT - WELL P&A'd, 12-14-84.