

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-C135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals.

5. Lease Designation and Serial No.
I-149-IND-8466

6. If Indian, Alottee or Tribe Name

NAVAJO

7. If Unit or CA, Agreement Designation

8. Well Name and Number

JOHN CHARLES

9. API Well No.

3C04522660

10. Field and Pool, Exploratory Area

BLANCO MESA VERDE/DHC OTERO CHACRA

11. County or Parish, State

SAN JUAN, NM

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
FOUR STAR OIL AND GAS COMPANY

3. Address and Telephone No.
3300 N. Butler Ave., Suite 100 Farmington NM 87401 325-397-1133

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter I 1850 Feet From The SOUTH Line and 840 Feet From The

EAST Line Section 13 Township T27N Range R09W

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing

☒ OTHER: COMMINGLE

TYPE OF ACTION

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log Form)

13. 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.)

FOUR STAR OIL & GAS CO. PROPOSES THE FOLLOWING ON THE SUBJECT WELL.

FOUR STAR OIL & GAS CO. REQUEST APPROVAL TO COMMINGLE THE CHARCA AND MESA VERDE FORMATIONS IN THE SUBJECT WELL, PLEASE REFER TO THE ATTACHED WELLBORE DIAGRAM FOR WELLBORE DETAILS.

CHARCA
2917-3121' PERFS.
GAS PRODUCTION
1158 BTU
0 OIL 4 WTR 50 GAS

MESA VERDE
3700-4426' PERFS.
GAS PRODUCTION
1324 BTU
0 OIL 2 WTR 8 GAS

THE WELL IS DUALY COMPLETED AND PRODUCTION HAS DECREASED DUE TO FLUID LOADING. IT IS UNECONOMICAL AND NOT MECHANILLY FEASIBLE TO ARTIFICIALLY PUMP UNDER THE CURRENT WELLBORE COMPLETION. TO RECOVER THE REMAINING RESERVES THE WELL REQUIRES COMMINGLING AND ARTIFICIALLY PUMPED TO REMOVE FLUIDS.

CONFIDENTIAL APPROVAL

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

SIGNATURE *Rached Hindi* TITLE Senior Engineer

DATE 9/25/98

TYPE OR PRINT NAME Rached Hindi

(This space for Federal or State office use)

APPROVED */s/ Duane W. Spencer*

DATE OCT - 6 1998

CONDITIONS OF APPROVAL, IF ANY: TITLE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

E. mesal DHC

NMOCD



JOHN CHARLES No. 6A

PROPOSED COMMINGLE

LOCATION:

1850' FSL & 840' FEL
NE/SE, Sec. 13, T27N, R9W
San Juan County

ELEVATION: 5988' DF
5976' GR

SPUD DATE: 9-22-77

FORMATION TOPS:

Mesa Verde 3584'
Pt. Lookout 4214'

CHACRA PERFS:

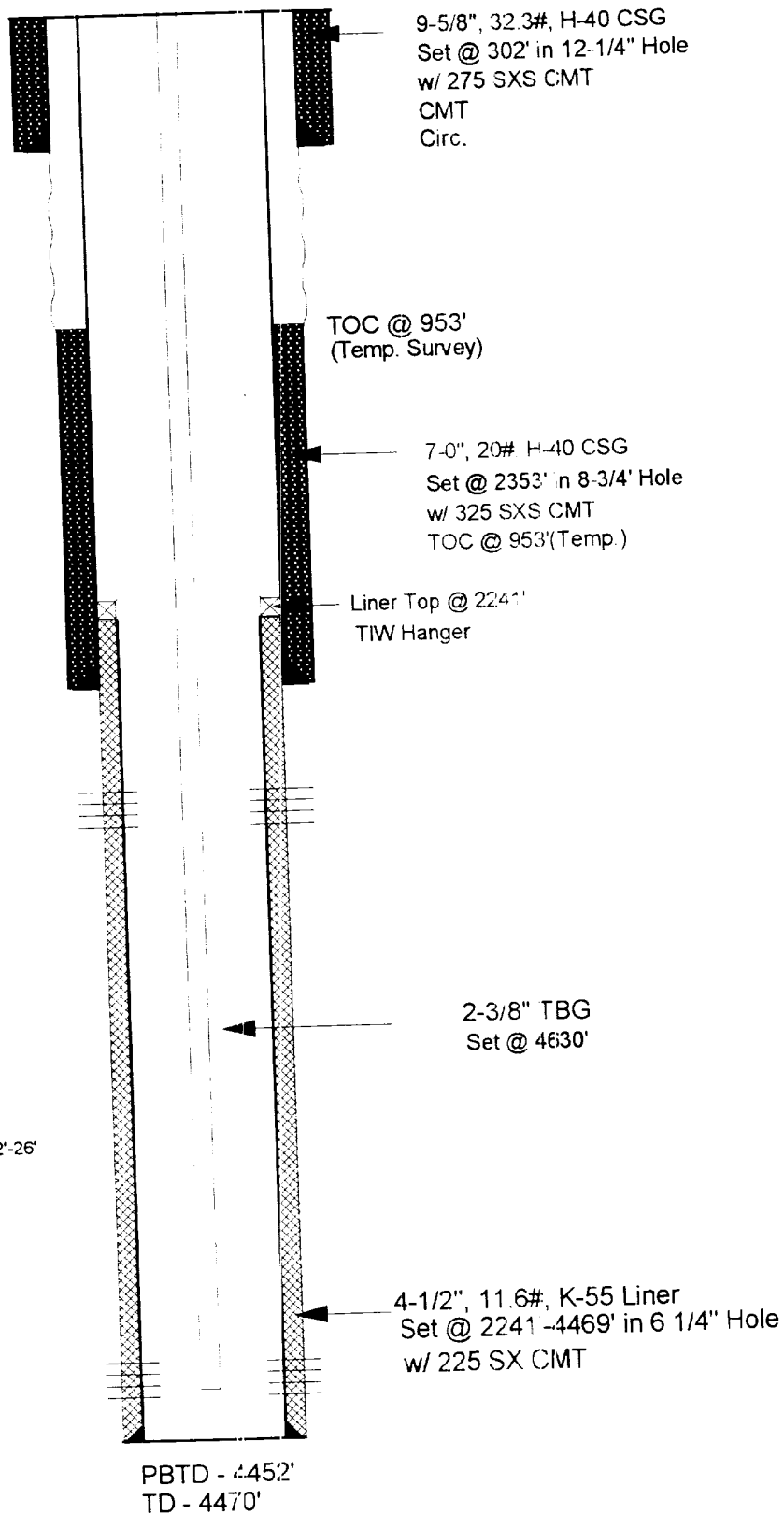
2917'-20'	2949'-52'	3080'-84'
2925'-28'	2954'-57'	3099'-3102'
2933'-37'	2978'-88'	3112'-21'
2943'-45'	3006'-09'	

94 Shots w/ 2 SPF

MESA VERDE PERFS:

3700, 3710, 3802, 3812, 3932, 3942, 3990,
3998, 4080, 4085, 4150, 4159, 4180, 4186'
14 Shots w/ 1 SPF

4283'-97', 4302'-33', 4342'-54', 4360'-79', 4382'-86', 4422'-26'
168 Shots w/ 2 SPF





JOHN CHARLES No. 6A

CURRENT COMPLETION

LOCATION:

1850' FSL & 840' FEL
NE/SE, Sec. 13, T27N, R9W
San Juan County

ELEVATION: 5988' DF
5976' GR

SPUD DATE: 9-22-77

FORMATION TOPS:

Mesa Verde 3584'
Pt. Lookout 4214'

2205' of 2-1/16" TBG
887' of 1-0" TBG
Set @ 3092'

CHACRA PERFS:

2917'-20'	2949'-52'	3080'-84'
2925'-28'	2954'-57'	3099'-3102'
2933'-37'	2978'-88'	3112'-21'
2943'-45'	3006'-09'	

w/ 2 JSPF, 94 Holes, Total 47'

11-02-90 Acidized Chacra w/ 2500 gals 15% HCl
Frac w/ 43,000# gals Gelled water &
44,000# 20-40 Brady Sand

11-28-90 Tested for 3 Hrs at Daily rate 667 MCF
CAOF of 816 MCF

MESA VERDE PERFS:

3700, 3710, 3802, 3812, 3932, 3942, 3990,
3998', 4080', 4085', 4150', 4159', 4180', 4186'
(14 Shots) 1 SPF

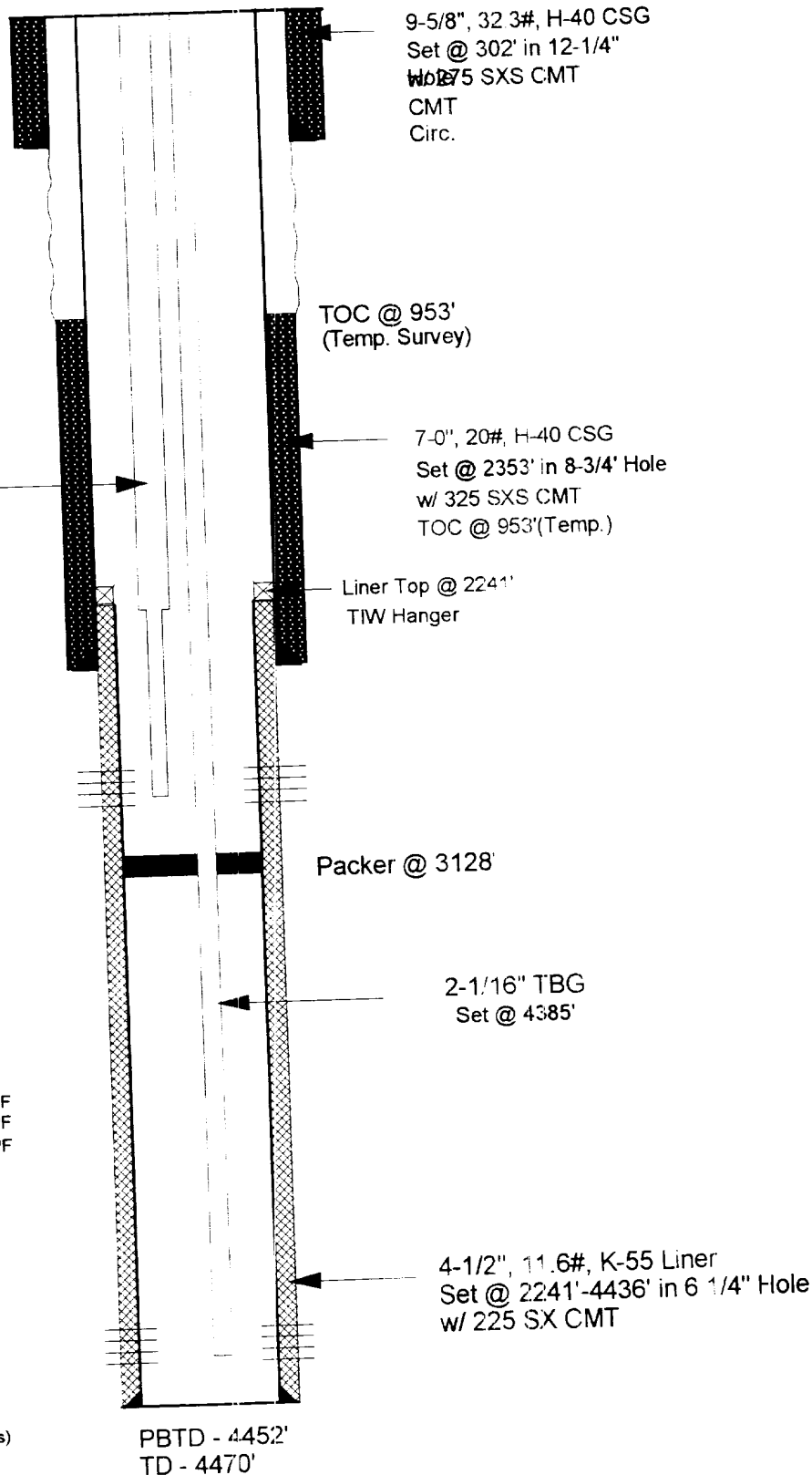
4283'-97' (28 sh) 2 SPF	4360'-79' (38 sh) 2 SPF
4302'-33' (62 sh) 2 SPF	4382'-86' (8 sh) 2 SPF
4342'-54' (24 sh) 2 SPF	4422'-26' (8 sh) 2 SPF

11-15-90 (3700'-4426')
Acidized w/ 2500 gals 15% HCl

11-27-77 (4283'-4426', Pt. Lookout)
Acidized w/ 500 gals 15% HCl
Frac w/ 80,000 gals slick water &
40,000# 20-40 & 30,000# 10-20 Sand

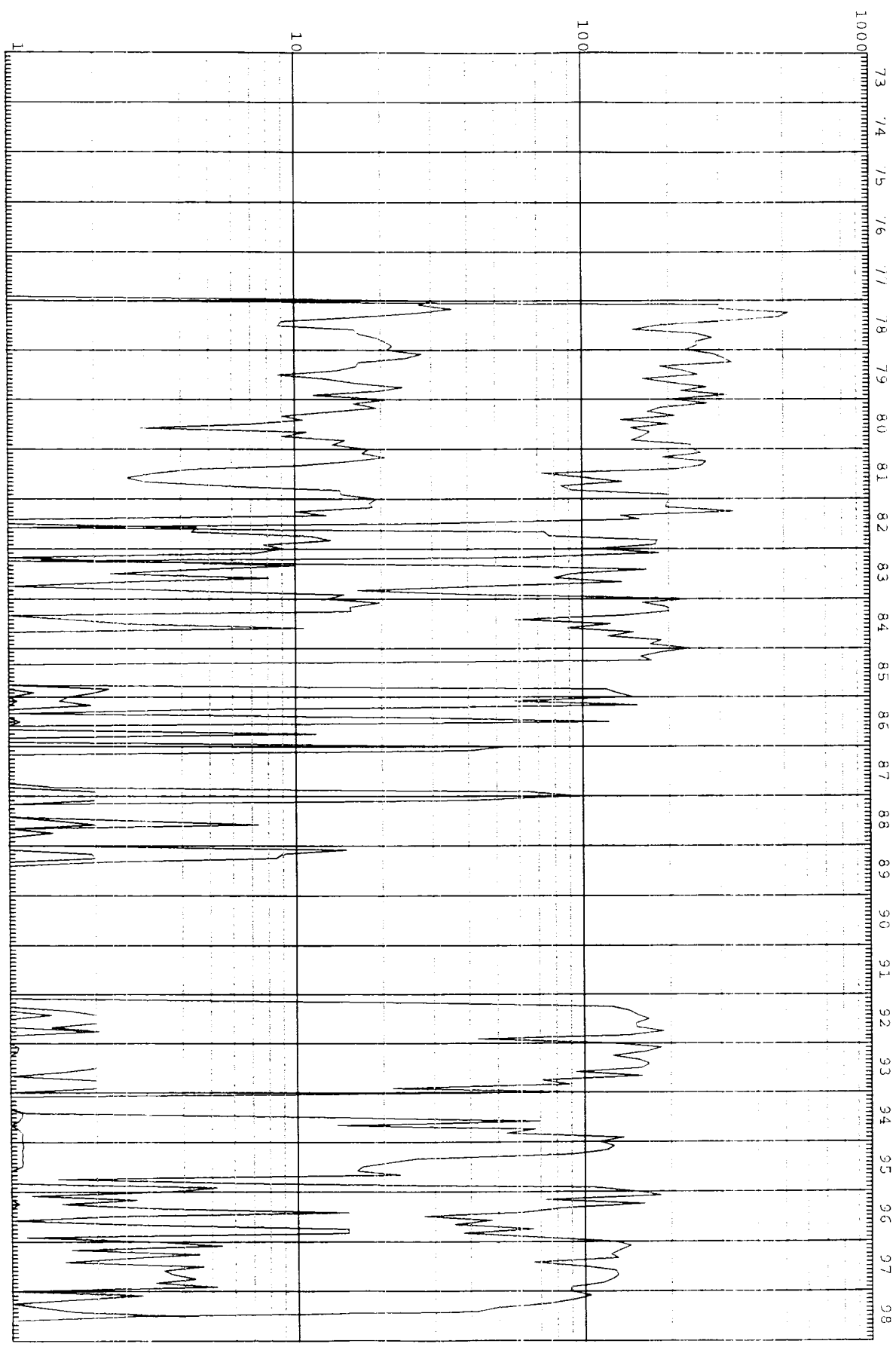
11-04-77 (3700'-4186', Menefee)
Acid w/ 500 gals 15% HCl
Frac w/ 80,000 gals slick water &
80,000# 20-40 Sand

11-18-77 Tested IP @ 661 MCF (5288 MCFPD 24 hrs)



LEASE_NAME: CHARLES, JOHN
TEX_WELL_NO: 6A
CURR_USE_NO: 017692

KSVK: W
REG_FLD: 72319

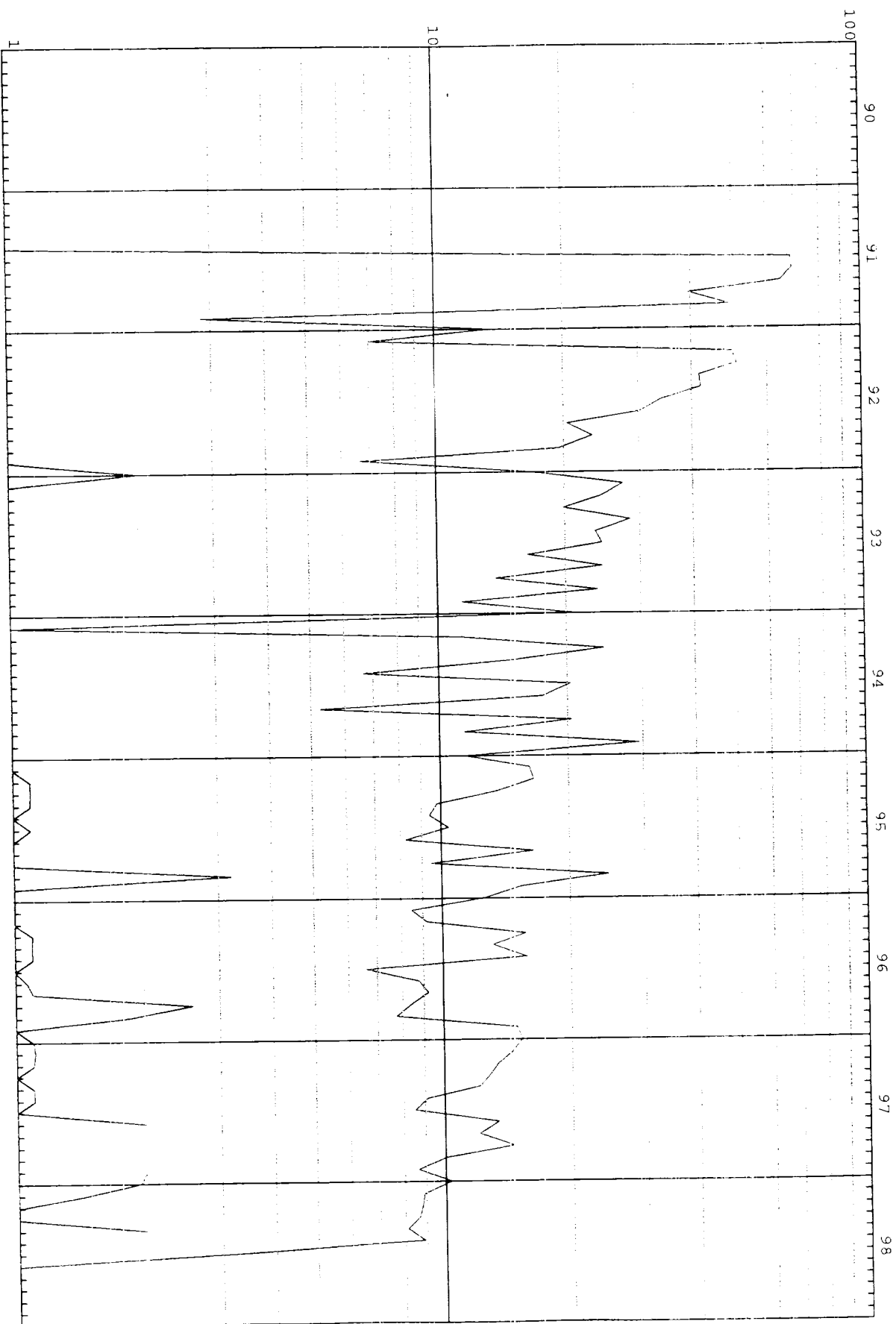


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ROPD --- MCFPD --- BOPD
CURRENT CUMS: OIL: 31,600 bbl GAS: 724,671 mcf WTR: 6,523 bbl WIND: 0 bbl

LEASE NAME: CHARLES, JOHN
TEX_WELL_NO: 6A
CURR_LSTF_NO: 017692

RSVR. CHACRA
REG_FLD: 82329



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BOFD MCFFD BWPD RWPD
CURRENT CUMS: OIL: 0 bbl GAS: 47,636 mcf WTR: 1,579 bbl WIND: 0 bbl

*OFFSET OPERATORS
FOR JOHN CHARLES #6A
T-27N, R-9W AND T-27N, R-8W
SAN JUAN COUNTY, NEW MEXICO*

- (1) All of Section 24-27N-9W (Mesaverde formation); W/2-Section 7-27N-8W (Mesaverde formation); W/2-Section 19-27N-8W (Mesaverde formation); NW/4-Section 19-27N-8W (Chacra formation); N/2-Section 24-27N-9W (Chacra formation)

Burlington Resources Oil & Gas Company
P. O. Box 4289
Farmington, NM 87499-4289

- (2) W/2-Section 18-27N-8W (Mesaverde formation); NW/4-Section 18-27N-8W (Chacra formation)

Amoco Production Company
P. O. Box 800
Denver, CO 80201

- (3) SW/4-Section 18-27N-8W (Chacra formation)

Gas:

Burlington Resources Oil & Gas Company
P. O. Box 4289
Farmington, NM 87499-4289

Oil:

50% -- Burlington Resources Oil & Gas Company
P. O. Box 4289
Denver, CO 87499-4289

50% -- Fina Oil & Chemical Co.
P. O. Box 2159
Dallas, TX 75221

- (4) All of Section 12-27N-9W (Mesaverde formation); All of Section 13-27N-9W (Chacra formation and Mesaverde formation)

Four Star Oil & Gas Company
P. O. Box 2100
Denver, CO 80201

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980
DISTRICT II
P.O. Box Drawer DD Artesia NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form O-102
Revised February 10, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004522660	2 Pool Code 82329	3 Pool Name OTERO CHACRA GAS)
4 Property Code	5 Property Name JOHN CHARLES	6 Well No 6A
7 OGRID Number 131994	8 Operator Name FOUR STAR OIL AND GAS COMPANY	9 Elevation

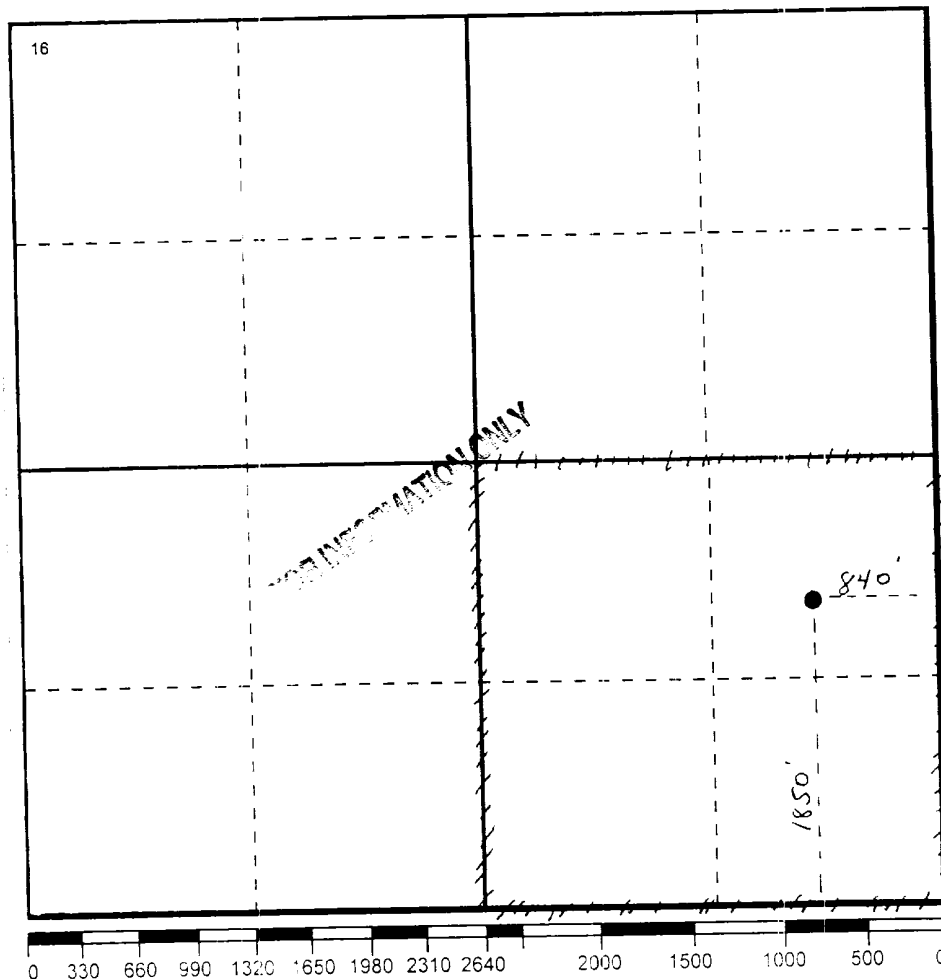
10 Surface Location

Ut or lot no	Section	Township	Range	Lot Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
I	13	T27N	R09W		1850	SOUTH	840	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

Ut or lot no.	Section	Township	Range	Lot Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
12 Dedicated Acre 160	13 Joint or Infill No	14 Consolidation Code	15 Order No						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Signature

Rached Hindi
Printed Name

Rached Hindi

Position

Senior Engineer

Date

9/25/98

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision and that the same is true and
correct to the best of my knowledge and
belief.

Date Surveyed

Signature & Seal of

Professional Surveyor

Certificate No

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesa, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1993

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004522660	2 Pool Code 72319	3 Pool Name BLANCO MESAVERDE (PRORATED GAS)
4 Property Code	5 Property Name JOHN CHARLES	6 Well No. 6A
7 OGRID Number 131994	8 Operator Name FOUR STAR OIL AND GAS COMPANY	9 Elevation

10 Surface Location

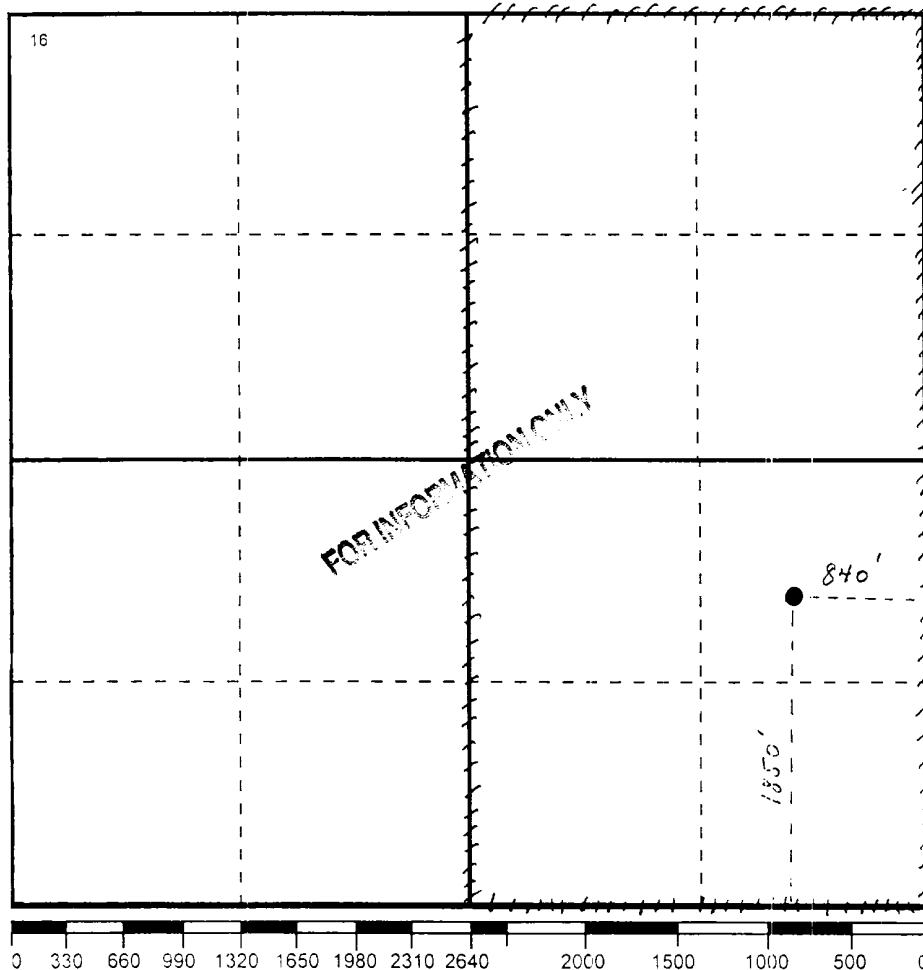
UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
I	13	T27N	R09W		1850	SOUTH	840	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Dedicated Acre 320	13 Joint or Infill No	14 Consolidation Code	15 Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

Signature

Printed Name

Rached Hindi

Position

Senior Engineer

Date

9/25/98

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of

Professional Surveyor

Certificate No.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 South First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

Administrative ☒ Hearing ☐

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

FOUR STAR OIL AND GAS COMPANY

3300 N. Butler Ave., Suite 100 Farmington

NM 87401

Operator JOHN CHARLES Address 6A I 13 T27N R09W SAN JUAN
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)
OGRID No. 131994 Property Code 011148 API No. 3004522660 Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	CHARCA		MESA VERDE
2. Top and Bottom of Pay Section (Perforations)	2917-3121		3700-4426
3. Type of Production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas, Oil - Flowing Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 255 # SHUT IN SURF b. (Original)	a. b.	a. 96 # SHUT IN SURF. b.
6. Oil Gravity (*API) or Gas BTU Content	1158 BTU		1324 BTU
7. Producing or Shut-in ?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	YES		YES
* If Shut-in, give date and oil/gas/water rates of last production Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 5/28/98 Rates: 0/4/50 OIL/WTR/GA	Date: Rates:	Date: 5/31/98 Rates: 0/2/8 OIL/WTR/GA
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 86 %	Oil: % Gas: %	Oil: 0 % Gas: 14 %

9. If allocation formula is based upon something other than current or past production, or is based on some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling ☒ Yes ☐ No

11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compayable, will formations not be damaged, will any cross flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S):

16. ATTACHMENTS:

- *C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- *Production curve for each zone for at least one year. (If not available, attach explanation.)
- *For zones with no production history, estimated production rates and supporting data.
- *Data to support allocation method or formula.
- *Notification list of all offset, operators.
- *Notification list of all working, overriding, and royalty interest for uncommon interest cases.
- *Any additional statements, data, or documents required to support commingling.

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

Signature Rached Hindi Title Senior Engineer Date 9/25/98

TYPE OR PRINT NAME Rached Hindi Telephone 325-4397

Conditions of Approval

Four Star Oil and Gas Company
John Charles No. 6A
1850' FSL and 840' FEL
Sec 13-27N-09W

- 1) Authorization is given for the allocation procedures outlined below, a Sundry Notice of Intent (form 3160-5) must be filed prior to commencing the mechanical aspects of downhole commingling. Please provide a detailed procedure of the proposed operations for our review and consideration.
- 2) The following are approved allocation factors for gas and associated liquid hydrocarbons produced from the referenced well:

<u>Formation</u>	<u>Gas</u>	<u>Oil</u>
Chacra	14%	0.0%
Mesaverde	86%	100%

Commingled production from each zone must be reported in accordance to the allocation factors presented above.