



VIA OVERNIGHT MAIL

July 7, 2000

Arch Petroleum Inc.

Mr. James Bruce
3304 Camino Lisa
Santa Fe, New Mexico 87501

NSL-4419-A

RE: Fowler Prospect
Lea County, New Mexico
Application for Administrative Approval for Unorthodox
Justis Central (Abo) Pool,
Learcy McBuffington Well No. 13Y, 630' FSL and 2,530' FEL,
Unit Letter O, Section 13, T-25-S, R-37-E, N.M.P.M.,

Dear Jim:

Arch Petroleum Inc. drilled its Learcy McBuffington Well No. 13Y located 630' FSL and 2,530' FEL, Unit Letter O, Section 13, T-25-S, R-37-E, N.M.P.M., which was completed in the Justis Montoya formation. You filed two applications for administrative approval for an unorthodox location being Order NSL-4419 and Amended Order NSL-4419 for the Justis-Montoya Pool.

Arch has now completed the well in the Justis Central (Abo) Pool and is planning to file an Application for Downhole Commingling in both the Justis Central (Abo) Pool and the Justis-Montoya Pool. In order to be in compliance we need you to apply for administrative approval for an unorthodox location for the Justis Central (Abo) Pool.

The Learcy McBuffington Well No. 13 is less than the required distance from the outer boundary of the proration unit; therefore, Arch Petroleum Inc. requests that you apply for Administrative Approval to the Unorthodox location on behalf of Arch. Enclosed for your review are 3 copies of the C-105, Amended C-102, and Abo Structure Map showing the reason for our unorthodox location.

If you need any further information please give me a call.

Yours very truly,

ARCH PETROLEUM INC.

Garland H. Lang III
Consulting Landman

Enclosures

State Lease - 6 copies
Fee Lease - 5 copies
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

Energy, Minerals and Natural Resources Department

C CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

ELL API NO.
30-025-35004

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

7. Lease Name or Unit Agreement Name

Learcy McBuffington

2. Name of Operator
Arch Petroleum Inc.

8. Well No.
13Y

3. Address of Operator
P. O. Box 10340, Midland, TX 79702-7340

9. Pool name or Wildcat
Justis Strawn Detrital

4. Well Location
Unit Letter O 630 Feet From The South Line and 2490 Feet From The East Line
Section 13 Township 25 Range 37 NMPM Lea County

10. Date Spudded 04/13/00	11. Date T.D. Reached 04/29/00	12. Date Compl. (Ready to Prod.) 06/09/00	13. Elevations (DF & RKB; RT, GR, etc.) 3077' GR	14. Elev. Casinghead 3078'
------------------------------	-----------------------------------	--	---	-------------------------------

15. Total Depth 7150	16. Plug Back T.D. CIBP @ 6930	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools
-------------------------	-----------------------------------	--	--

19. Producing Interval(s), of this completion - Top, Bottom, Name
6760'-80' Strawn Detrital

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
CNLD-IL

22. Was Well Cored
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	54.50# & 48#	510	17-1/2	600 sks - circ 200 sks	
8-5/8	32# & 24#	3000	11	1300 sks - circ 126 sks	
5-1/2	17# & 15.5#	7150	7-7/8	1450 sks - TOC @ 710'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6481	

26. Perforation record (interval, size, and number) 6978 - 7000 (2 SPF) 6760 - 6780 (2 SPF)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6978-7000	Acidz w/ 1000 gas 15% HCL-Unsuccessful frac attempt
	6760-6780	Acidz w/ 1000 gals 15% HCL
		Frac w/ 34,000# 16/30 Ottawa sand

28. PRODUCTION							
Date First Production 06/10/00		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 06/11/00	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - BbL. 31	Gas - MCF 90	Water - BbL. 41	Gas - Oil Ratio 2903:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL. 31	Gas - MCF 90	Water - BbL. 41	Oil Gravity - API - (Corr.) 35.2	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By
Gary Wells

30. List Attachments
C-104, Logs, Sundry, Deviation Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Cathy Tomberlin Printed Name Cathy Tomberlin Title Operation Tech Date 06/14/00

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	718.0	T. Canyon	
T. Salt	850.0	T. Strawn	
B. Salt	2166.0	T. Atoka	
T. Yates	2366.0	T. Miss	
T. 7 Rivers	2628.0	T. Devonian	
T. Queen	2987.0	T. Silurian	
T. Grayburg	3311.0	T. Montoya	6830.0
T. San Andres	3542.0	T. Simpson	7050.0
T. Glorieta	4579.0	T. McKee	
T. Paddock	4636.0	T. Ellenburger	
T. Blinberry	4989.0	T. Gr. Wash	
T. Tubb	5642.0	T. Delaware Sand	
T. Drinkard	5895.0	T. Bone Springs	
T. Abo	6447.0	T. Strawn Detrital	6652.0
T. Wolfcamp		T.	
T. Penn		T.	
T. Cisco (Bough C)		T.	

Northwestern New Mexico

T. Ojo Alamo		T. Penn. "B"	
T. Kirtland-Fruitland		T. Penn. "C"	
T. Pictured Cliffs		T. Penn. "D"	
T. Cliff House		T. Leadville	
T. Menefee		T. Madison	
T. Point Lookout		T. Elbert	
T. Mancos		T. McCracken	
T. Gallup		T. Ignacio Otzte	
Base Greenhorn		T. Granite	
T. Dakota		T.	
T. Morrison		T.	
T. Todilto		T.	
T. Entrada		T.	
T. Wingate		T.	
T. Chinle		T.	
T. Permian		T.	
T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 4790	to 4950	No. 3, from 6360	to 6570
No. 2, from 5100	to 5900	No. 4, from 6750	to 6810
			6980 7000

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet
No. 2, from	to	feet
No. 3, from	to	feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0.0	718.0		red bed, gravel, sd				
718.0	850.0		anhy dol				
850.0	2166.0		salt anhy				
2166.0	2366.0		sand anhy				
2366.0	2628.0		anhy dol				
2628.0	2987.0		dolo, sand				
2987.0	3311.0		sand, dolo, anhy				
3311.0	3542.0		anhy, lime, dol				
3542.0	4579.0		dol, anhy, chert				
4579.0	4989.0		dol, lime, chert				
4989.0	5642.0		dol, sand, chert				
5642.0	6447.0		dol, lime, chert				
6447.0	6830.0		dol, lime, chert, sh				
6830.0	7050.0		dol, chert, lime				
7050.0			shale, lime				

DISTRICT OFFICE
State Lease - 6 copies
Fee Lease - 5 copies
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

Energy, Minerals and Natural Resources Department

C CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

REVISED 1/1/00

WELL API NO.
30-025-35004

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____

7. Lease Name or Unit Agreement Name

Learcy McBuffington

2. Name of Operator
Arch Petroleum Inc.

8. Well No.
13Y

3. Address of Operator
P. O. Box 10340, Midland, TX 79702-7340

9. Pool name or Wildcat
Justis Strawn Detrital

4. Well Location
Unit Letter O : 630 Feet From The South Line and 2490 Feet From The East Line
Section 13 Township 25 Range 37 NMPM Lea County

10. Date Spudded 04/13/00 11. Date T.D. Reached 04/29/00 12. Date Compl. (Ready to Prod.) 06/09/00 13. Elevations (DF & RKB; RT, GR, etc.) 3077' GR 14. Elev. Casinghead 3078'

15. Total Depth 7150 16. Plug Back T.D. CIBP @ 6930 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools ☒ Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 6760'-80' Strawn Detrital 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run CNLD-IL 22. Was Well Cored No

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	54.50# & 48#	510	17-1/2	600 sks - circ 200 sks	
8-5/8	32# & 24#	3000	11	1300 sks - circ 126 sks	
5-1/2	17# & 15.5#	7150	7-7/8	1450 sks - TOC @ 710'	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	6481

26. Perforation record (interval, size, and number) 6978 - 7000 (2 SPF) 6760 - 6780 (2 SPF)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6978-7000	Acidz w/ 1000 gas 15% HCL-Unsuccessful frac attempt
	6760-6780	Acidz w/ 1000 gals 15% HCL Frac w/ 34,000# 16/30 Ottawa sand

28. **PRODUCTION**

Date First Production 06/10/00		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 06/11/00	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - BbL. 31	Gas - MCF 90	Water - BbL. 41	Gas - Oil Ratio 2903:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL. 31	Gas - MCF 90	Water - BbL. 41	Oil Gravity - API - (Corr.) 35.2	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By Gary Wells

30. List Attachments
C-104, Logs, Sundry, Deviation Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Cathy Tomberlin Printed Name Cathy Tomberlin Title Operation Tech Date 06/14/00

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	718.0
T. Salt	850.0
B. Salt	2166.0
T. Yates	2366.0
T. 7 Rivers	2628.0
T. Queen	2987.0
T. Grayburg	3311.0
T. San Andres	3542.0
T. Glorieta	4579.0
T. Paddock	4636.0
T. Blinberry	4989.0
T. Tubb	5642.0
T. Drinkard	5895.0
T. Abo	6447.0
T. Wolfcamp	
T. Penn	
T. Cisco (Bough C)	
T. Canyon	
T. Strawn	
T. Atoka	
T. Miss	
T. Devonian	
T. Silurian	
T. Montoya	6830.0
T. Simpson	7050.0
T. McKee	
T. Ellenburger	
T. Gr. Wash	
T. Delaware Sand	
T. Bone Springs	
T. Strawn Detrital	6652.0

Northwestern New Mexico

T. Ojo Alamo	
T. Kirtland-Fruitland	
T. Pictured Cliffs	
T. Cliff House	
T. Menefee	
T. Point Lookout	
T. Mancos	
T. Gallup	
Base Greenhorn	
T. Dakota	
T. Morrison	
T. Todilto	
T. Entrada	
T. Wingate	
T. Chinle	
T. Permian	
T. Penn. "A"	
T. Penn. "B"	
T. Penn. "C"	
T. Penn. "D"	
T. Leadville	
T. Madison	
T. Elbert	
T. McCracken	
T. Ignacio Otzte	
T. Granite	

OIL OR GAS SANDS OR ZONES

No. 1, from 4790	to 4950	No. 3, from 6360	to 6570
No. 2, from 5100	to 5900	No. 4, from 6750	to 6810
		6980	7000

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet
No. 2, from	to	feet
No. 3, from	to	feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0.0	718.0		red bed, gravel, sd				
718.0	850.0		anhy dol				
850.0	2166.0		salt anhy				
2166.0	2366.0		sand anhy				
2366.0	2628.0		anhy dol				
2628.0	2987.0		dolo, sand				
2987.0	3311.0		sand, dolo, anhy				
3311.0	3542.0		anhy, lime, dol				
3542.0	4579.0		dol, anhy, chert				
4579.0	4989.0		dol, lime, chert				
4989.0	5642.0		dol, sand, chert				
5642.0	6447.0		dol, lime, chert				
6447.0	6830.0		dol, lime, chert, sh				
6830.0	7050.0		dol, chert, lime				
7050.0			shale, lime				

State Lease - 6 copies

Fee Lease - 5 copies

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

Energy, Minerals and Natural Resources Department

CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30-025-35004

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒GAS WELL ☐DRY ☐OTHER ☐

b. Type of Completion:

NEW
WELL ☒WORK
OVER ☐DEEPEN ☐PLUG
BACK ☐DIFF
RESVR ☐OTHER ☐

7. Lease Name or Unit Agreement Name

Learcy McBuffington

2. Name of Operator

Arch Petroleum Inc.

8. Well No.

13Y

3. Address of Operator

P. O. Box 10340, Midland, TX 79702-7340

9. Pool name or Wildcat

Justis Strawn Detrital

4. Well Location

Unit Letter O : 630 Feet From The South Line and 2490 Feet From The East Line

Section

13

Township

25

Range

37

NMPM

Lea

County

10. Date Spudded

04/13/00

11. Date T.D. Reached

04/29/00

12. Date Compl. (Ready to Prod.)

06/09/00

13. Elevations (DF & RKB; RT, GR, etc.)

3077' GR

14. Elev. Casinghead

3078'

15. Total Depth

7150

16. Plug Back T.D.

CIBP @ 6930

17. If Multiple Compl. How
Many Zones?18. Intervals
Drilled By

Rotary Tools

☒

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

6760'-80' Strawn Detrital

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

CNLD-IL

22. Was Well Cored

No

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	54.50# & 48#	510	17-1/2	600 sks - circ 200 sks	
8-5/8	32# & 24#	3000	11	1300 sks - circ 126 sks	
5-1/2	17# & 15.5#	7150	7-7/8	1450 sks - TOC @ 710'	

24.

LINER RECORD

25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	6481	

26. Perforation record (interval, size, and number)

6978 - 7000 (2 SPF)

6760 - 6780 (2 SPF)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6978-7000	Acidz w/ 1000 gas 15% HCL-Unsuccessful frac attempt
6760-6780	Acidz w/ 1000 gals 15% HCL
	Frac w/ 34,000# 16/30 Ottawa sand

28.

PRODUCTION

Date First Production 06/10/00		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping					Well Status (Prod. or Shut-in) Producing	
Date of Test 06/11/00	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - BbL. 31	Gas - MCF 90	Water - BbL. 41	Gas - Oil Ratio 2903:1	
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - BbL. 31	Gas - MCF 90	Water - BbL. 41	Oil Gravity - API - (Corr.) 35.2		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Gary Wells

30. List Attachments

C-104, Logs, Sundry, Deviation Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

Cathy Tomberlin

Title

Operation Tech

Date

06/14/00

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity log on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	718.0	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	850.0	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	2166.0	T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	2366.0	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	2628.0	T. Devonian		T. Menefee		T. Madison	
T. Queen	2987.0	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg	3311.0	T. Montoya	6830.0	T. Mancos		T. McCracken	
T. San Andres	3542.0	T. Simpson	7050.0	T. Gallup		T. Ignacio Otzte	
T. Glorieta	4579.0	T. McKee		Base Greenhorn		T. Granite	
T. Paddock	4636.0	T. Ellenburger		T. Dakota		T.	
T. Blinberry	4989.0	T. Gr. Wash		T. Morrison		T.	
T. Tubb	5642.0	T. Delaware Sand		T. Todilto		T.	
T. Drinkard	5895.0	T. Bone Springs		T. Entrada		T.	
T. Abo	6447.0	T. Strawn Detrital	6652.0	T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn		T.		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 4790	to 4950	No. 3, from 6360	to 6570
No. 2, from 5100	to 5900	No. 4, from 6750	to 6810
			6980 7000

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet
No. 2, from	to	feet
No. 3, from	to	feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0.0	718.0		red bed, gravel, sd				
718.0	850.0		anhy dol				
850.0	2166.0		salt anhy				
2166.0	2366.0		sand anhy				
2366.0	2628.0		anhy dol				
2628.0	2987.0		dolo, sand				
2987.0	3311.0		sand, dolo, anhy				
3311.0	3542.0		anhy, lime, dol				
3542.0	4579.0		dol, anhy, chert				
4579.0	4989.0		dol, lime, chert				
4989.0	5642.0		dol, sand, chert				
5642.0	6447.0		dol, lime, chert				
6447.0	6830.0		dol, lime, chert, sh				
6830.0	7050.0		dol, chert, lime				
7050.0			shale, lime				

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
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 30-025-35004	2 Pool Code 96630	3 Pool Name Justis Abo Central
4 Property Code 14912	5 Property Name McBuffington	6 Well Number 13Y
7 OGRID No. 000962	8 Operator Name Arch Petroleum Inc.	9 Elevation 3077

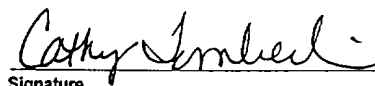
10 Surface Location

UL or lot no. 0	Section 13	Township 25S	Range 37E	Lot Idn	Feet from the 630	North/South line South	Feet from the 2490	East/West Line East	County Lea
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
12 Dedicated Acres 40	13 Joint or Infill	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

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Cathy Tomberlin Printed Name Operation Tech Title 06/19/00 Date				
					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 belief. Date of Survey Signature and Seal of Professional Surveyer:				
					Certificate Number				

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35004	2 Pool Code 96630	3 Pool Name Justis Abo Central
4 Property Code 14912	5 Property Name McBuffington	6 Well Number 13Y
7 OGRID No. 000962	8 Operator Name Arch Petroleum Inc.	9 Elevation 3077

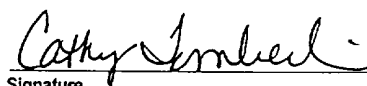
10 Surface Location

UL or lot no. 0	Section 13	Township 25S	Range 37E	Lot Idn	Feet from the 630	North/South line South	Feet from the 2490	East/West Line East	County Lea
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
12 Dedicated Acres 40	13 Joint or Infill	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

16					<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p></p> <p>Signature Cathy Tomberlin Printed Name Operation Tech Title 06/19/00 Date</p>	
					<p>18 SURVEYOR CERTIFICATION</p> <p><i>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 belief.</i></p> <p>_____ Date of Survey Signature and Seal of Professional Surveyer:</p>	
	<p>--- 2490 ---</p> <p>630</p>				<p>_____ Certificate Number</p>	

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

STATE OF NEW MEXICO
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form O-102
Revised October 18, 1994
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 30-025-35004	2 Pool Code 96630	3 Pool Name Justis Abo Central
4 Property Code 14912	5 Property Name McBuffington	6 Well Number 13Y
7 OGRID No. 000962	8 Operator Name Arch Petroleum Inc.	9 Elevation 3077

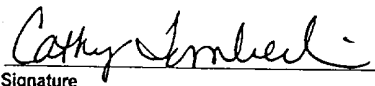
10 Surface Location

UL or lot no. 0	Section 13	Township 25S	Range 37E	Lot Idn	Feet from the 630	North/South line South	Feet from the 2490	East/West Line East	County Lea
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

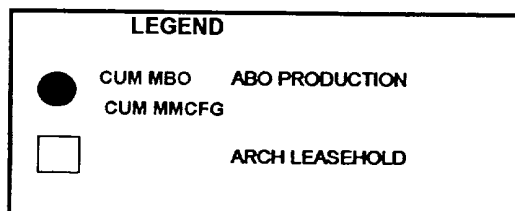
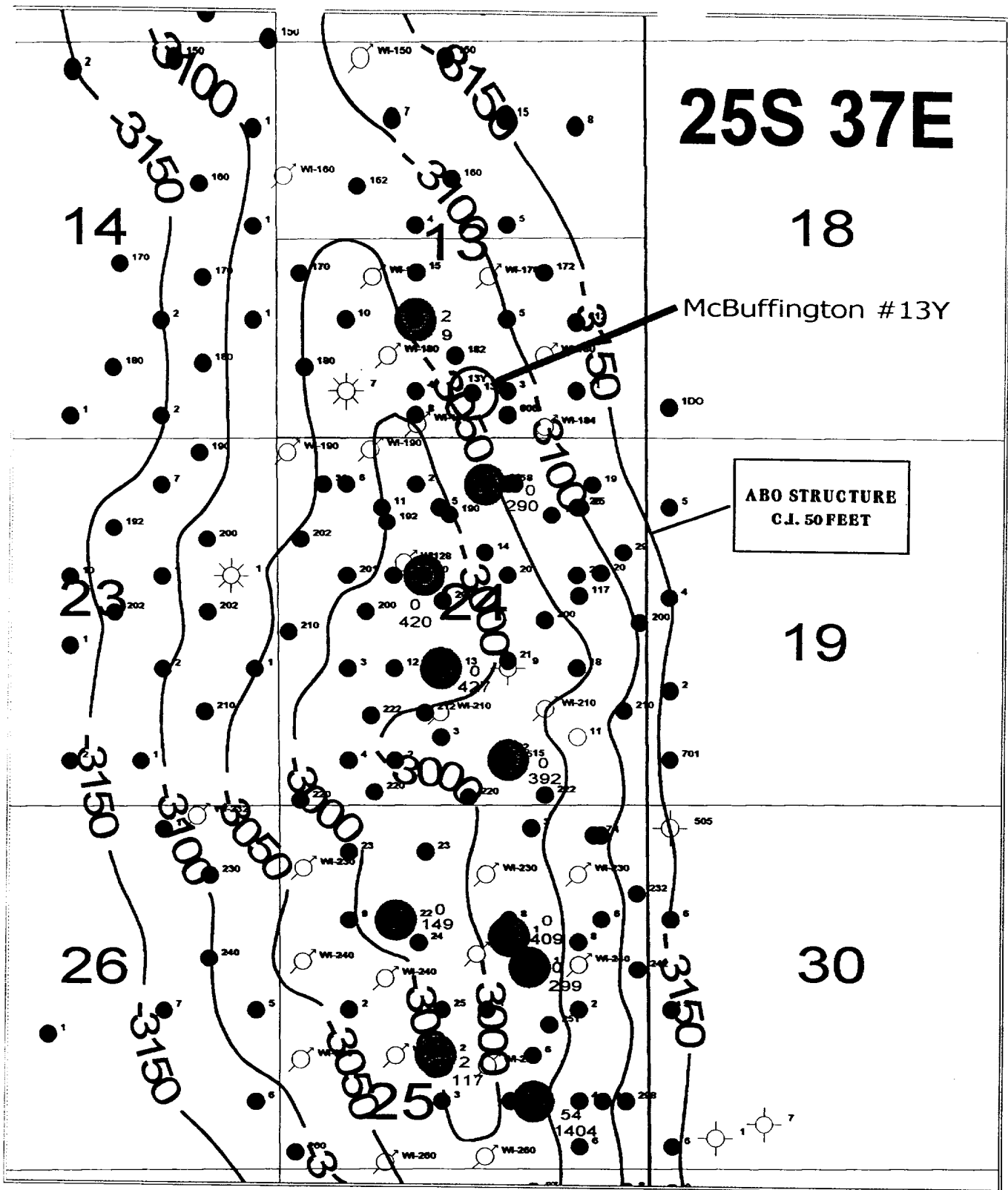
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.						

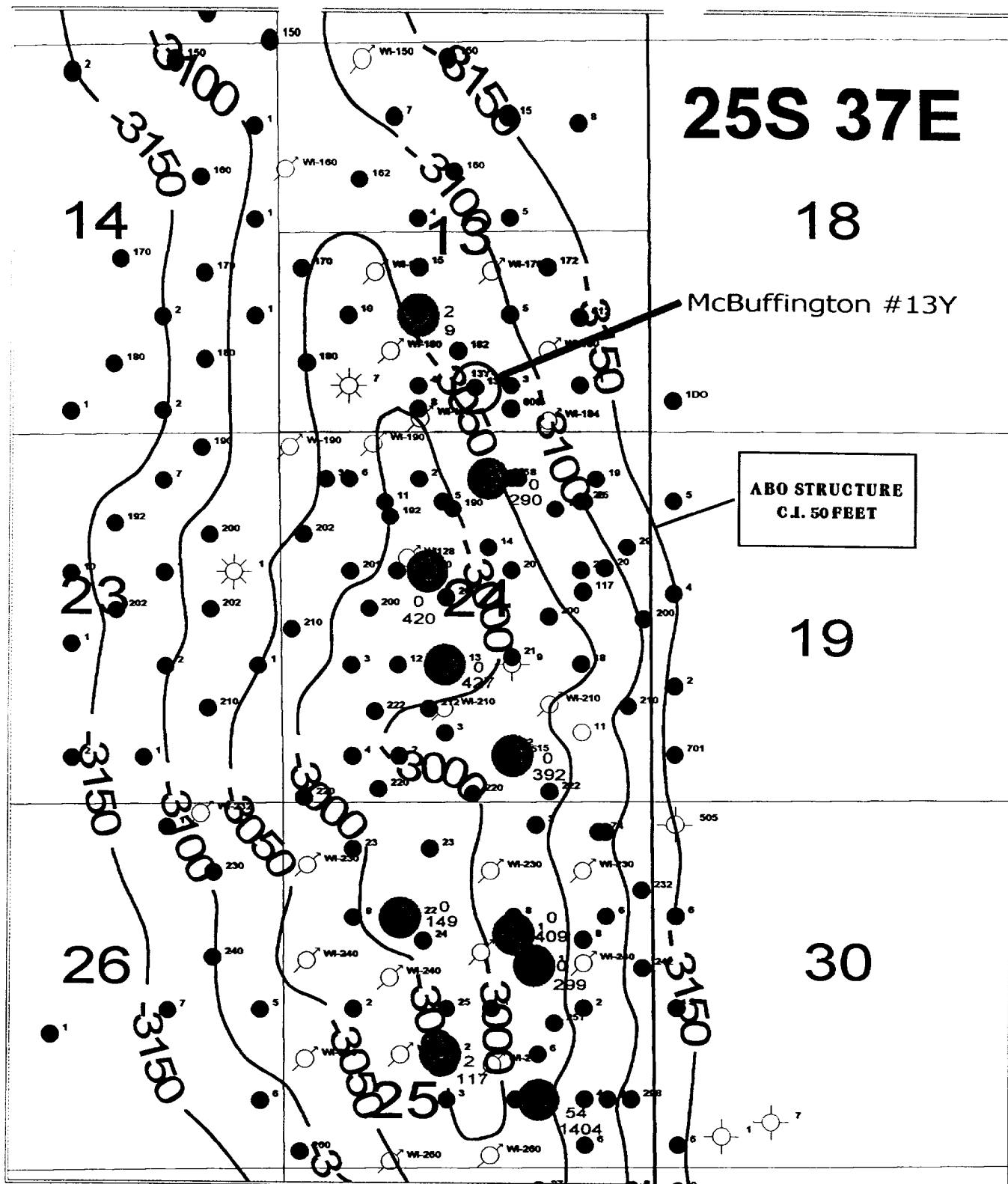
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Cathy Tomberlin Printed Name Operation Tech Title 06/19/00 Date				
					18 SURVEYOR CERTIFICATION <i>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 belief.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number				

630 - - 2490 - -



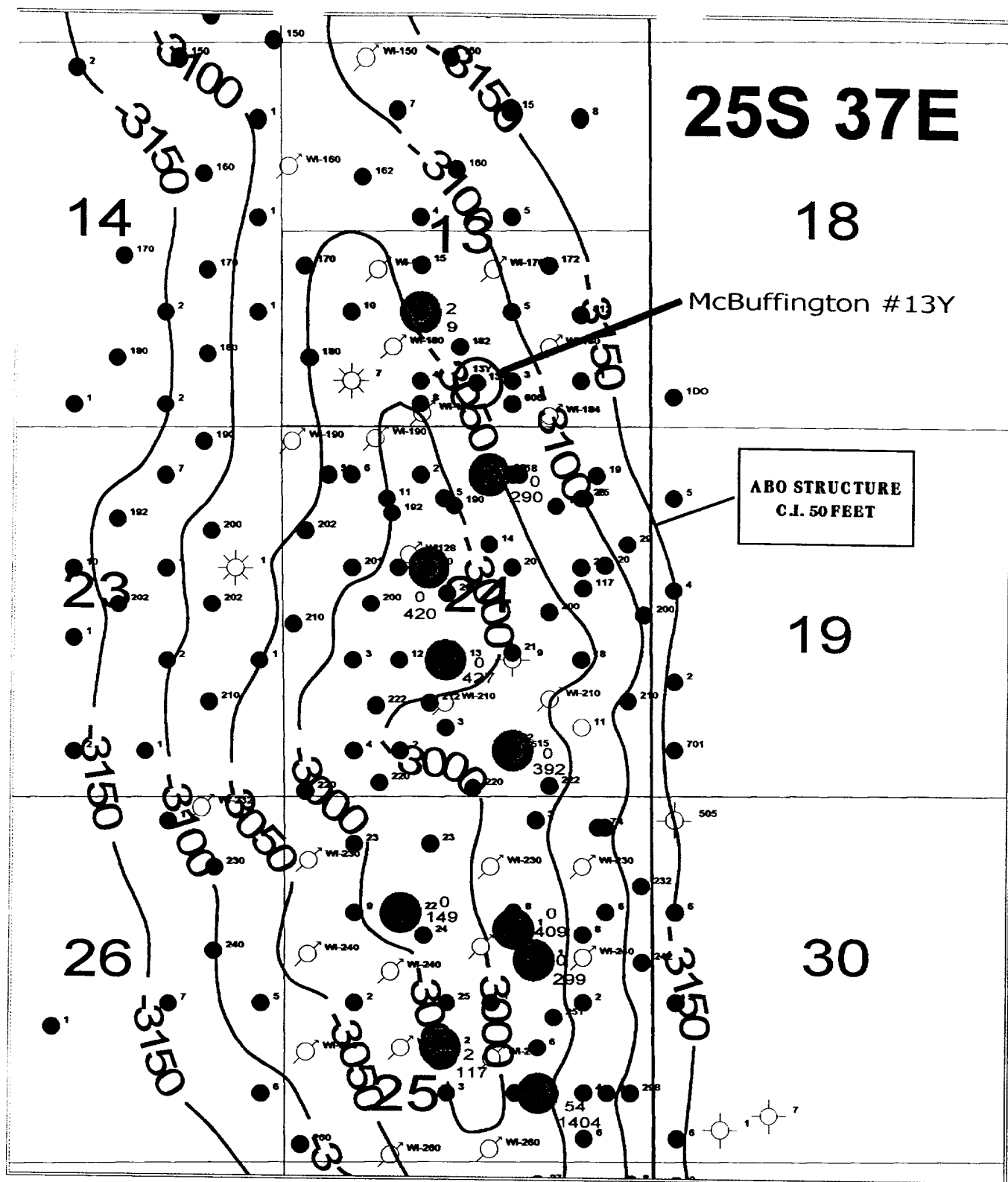
ARCH PETROLEUM INC
LEARCY MCBUFFINGTON LEASE
 Lea County, New Mexico
ABO PRODUCERS
 JUSTIS, JUSTIS CENTRAL, & MID JUSTIS FIELDS
 G. Curry CI = 50' 1" = 2000'



LEGEND

● CUM MBO ABO PRODUCTION
 ○ CUM MMCFG
 □ ARCH LEASEHOLD

ARCH PETROLEUM INC
LEARCY MCBUFFINGTON LEASE
 Lea County, New Mexico
ABO PRODUCERS
 JUSTIS, JUSTIS CENTRAL, & MID JUSTIS FIELDS
 G. Curry CI = 50' 1" = 2000'



LEGEND

● CUM MBO ABO PRODUCTION
 ○ CUM MMCFG
 □ ARCH LEASEHOLD

ARCH PETROLEUM INC
LEARCY MCBUFFINGTON LEASE
 Lea County, New Mexico
ABO PRODUCERS
 JUSTIS, JUSTIS CENTRAL, & MID JUSTIS FIELDS
 G. Curry CI = 50' 1" = 2000'