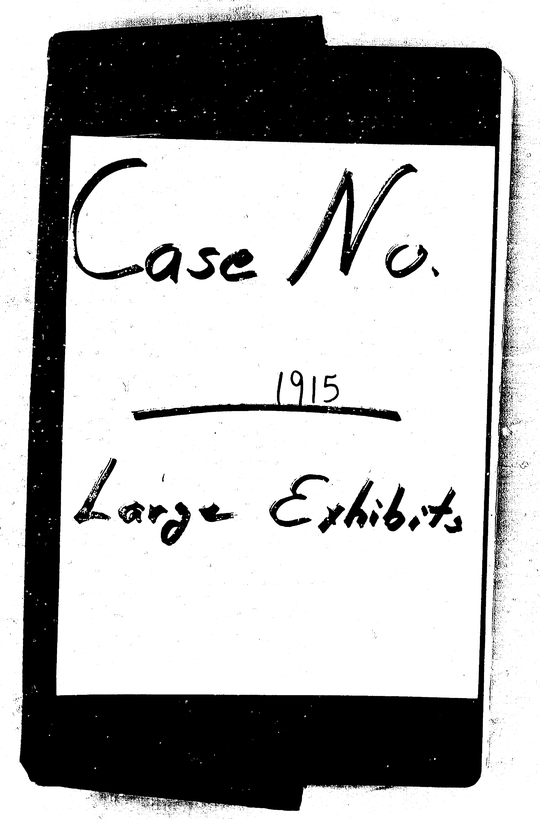

Case No.
1915
Large Exhibits

COMPASS EXPL. CO.
STATE NO. 1-16
SW SEC 16 T24N - R7W
ELEV. 7261 DF
I.P. 480 BOPD

PAN AMER. PET.
U.S.A. JOHN DASHKO NO.1
SW SEC 15 T24N - R 7 W
ELEV. 7091 DF
I.P. 20 BOPD

REDFERN & HERD
LARGO SPUR NO. 2
SE SEC 13 T24N - R 7 W
I.P. 6972 MCF/D

REDFERN & HERD
LARGO SPUR NO. 1
SE SEC 18 T24N - R 6 W
ELEV. 6556 DF
I.P. 6517 MCF/D

B

T/ LOWER GALLUP

B'

HORIZONTAL SCALE 4" = 1 MILE
VERTICAL SCALE 5" = 200'

Gas sand
Oil sand
Siltstone
Shale

EPNG
Ex. # 2

U.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

R 7 W

R 6 W

T

24

N

CANYON LARGO UNIT PC. PARTICIPATING AREA (25,666.53 Ac.)

CANYON LARGO UNIT PC. PARTICIPATING AREA (25,666.53 Ac.)

CANYON LARGO

AREA OF SEPARATION

AREA OF SEPARATION

+1100
+1125
+1150
+1175
+1200
+1225
+1250
+1275
+1300
+1325
+1350
+1375
+1400

+950
+975
+1000
+1025
+1050
+1075
+1100
+1125
+1150
+1175
+1200
+1225
+1250
+1275
+1300

+1238
+1239
+1276
+1267
+1188
+1155
+1122
+1114
+1189
+1246
+1256
+1268
+1286
+1306
+1346
+1248
+1258
+1367
+1376
+945

PAN AMERICAN PETROLEUM CORPORATION

ESCRITO GALLUP FIELD
STRUCTURE CONTOUR MAP

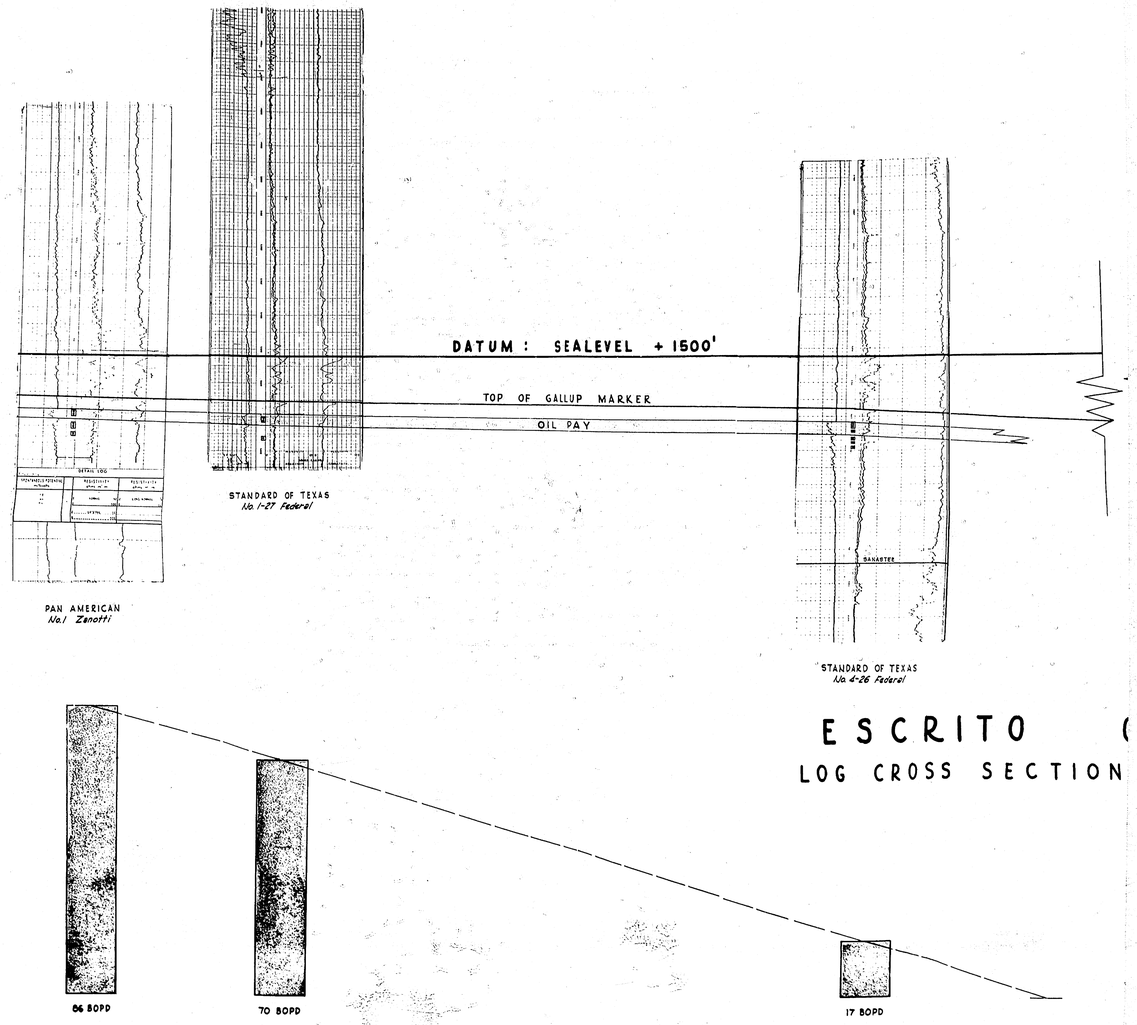
C.I. = 25'

CONTOURED ON TOP OF GALLUP MARKER

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
PAN Am EXHIBIT No. 1
CASE 5915

U.S.N.M.G.F. MICROGRAPHICS

BEST AVAILABLE COPY



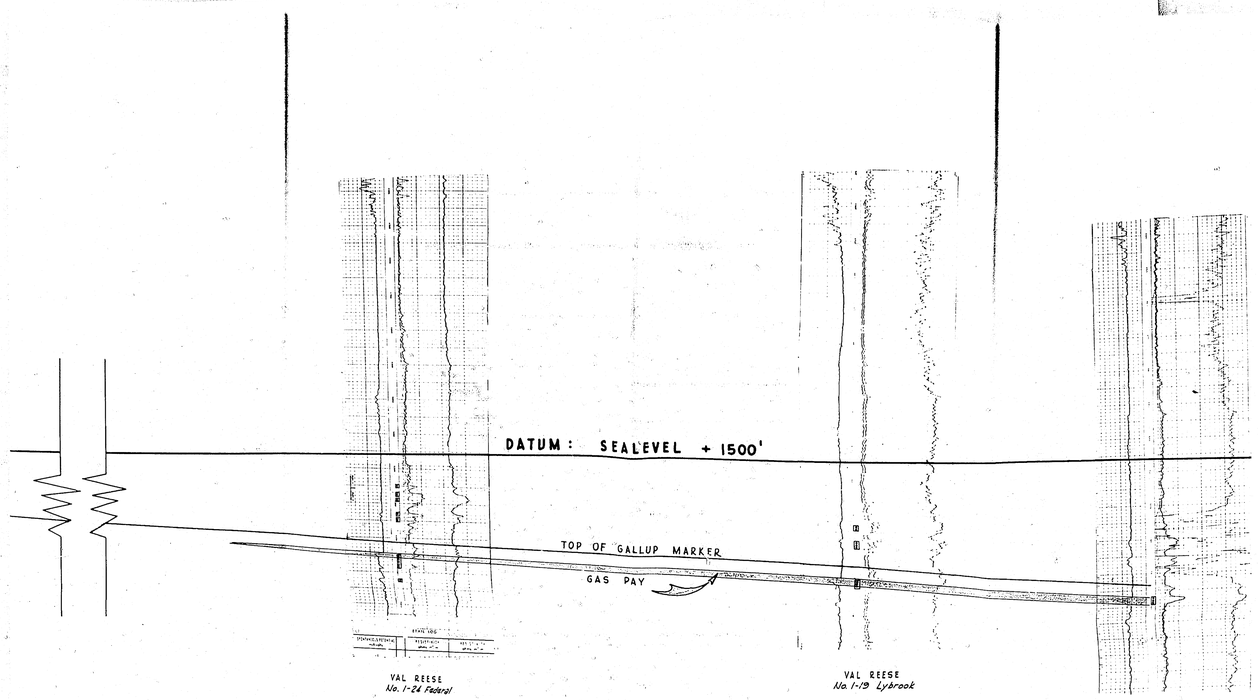
ESCRITO (

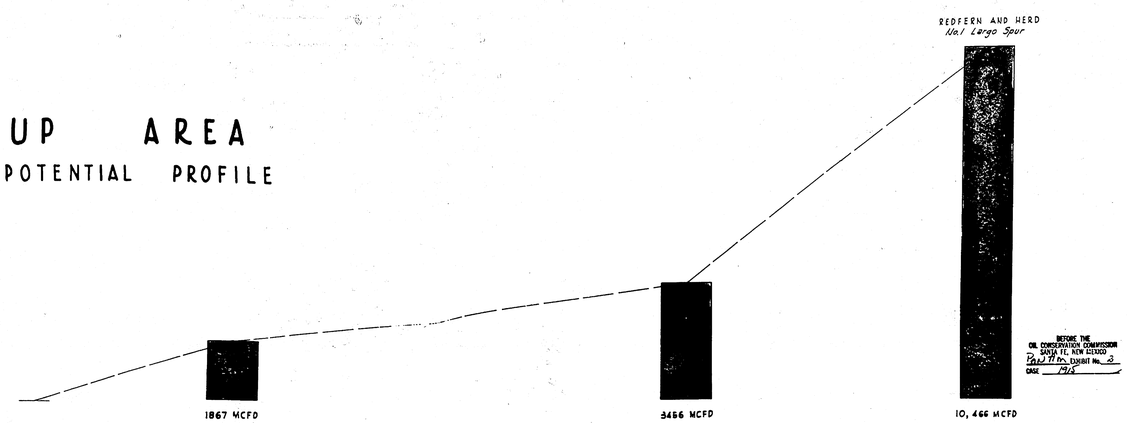
LOG CROSS SECTION

U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

GALLUP AREA

ION AND POTENTIAL PROFILE

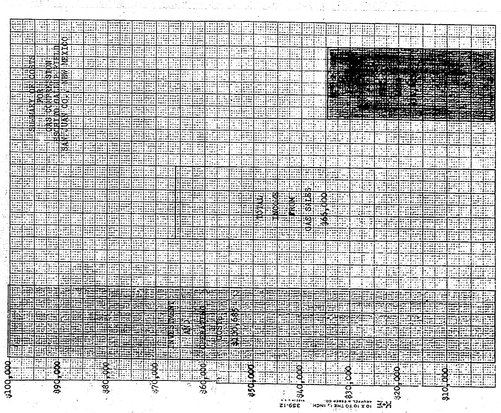


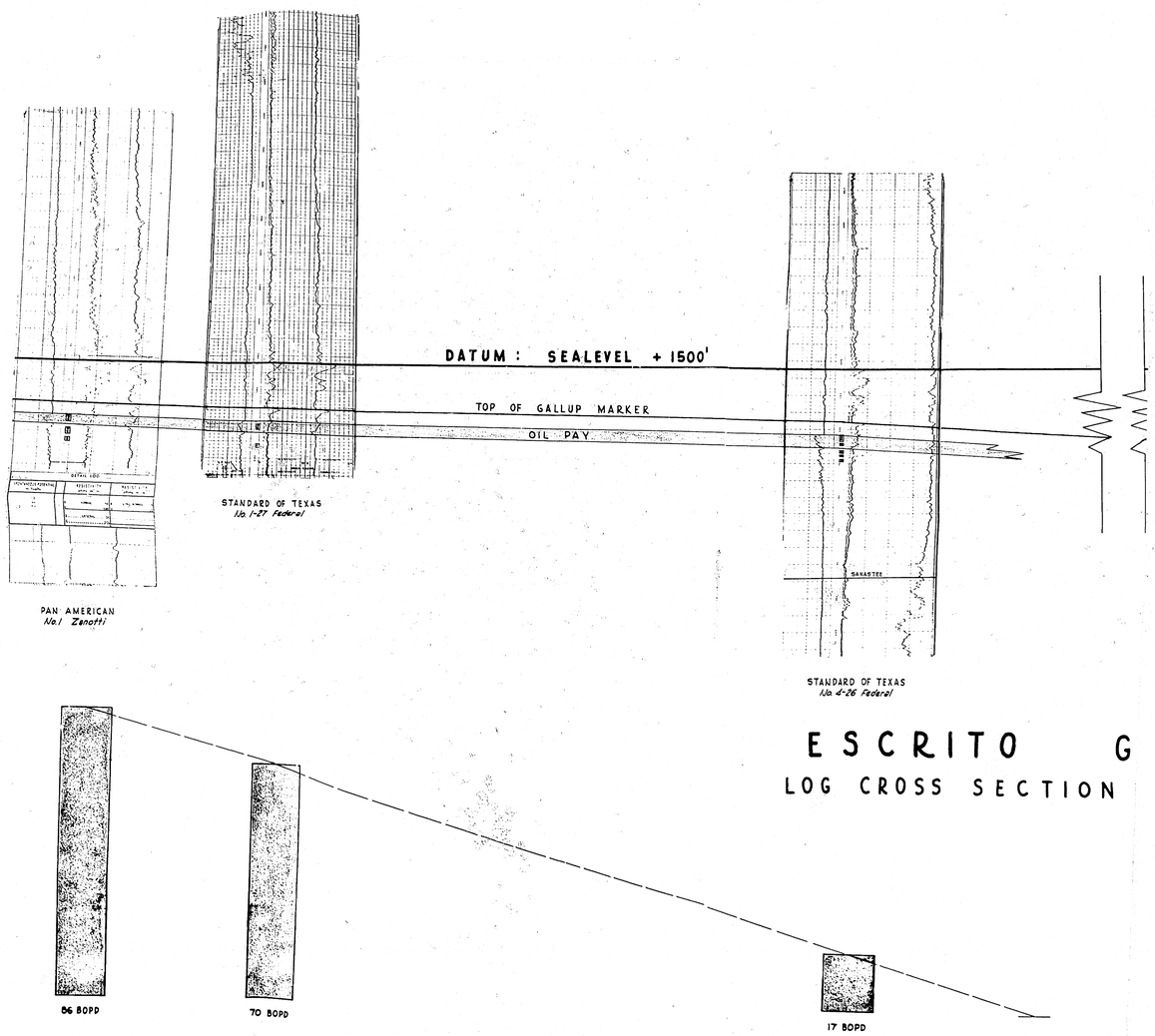


BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Case 11 No. EXHIBIT No. 3
CASE 1915

N.M.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

U.S.A.F.C.E. HEADQUARTERS





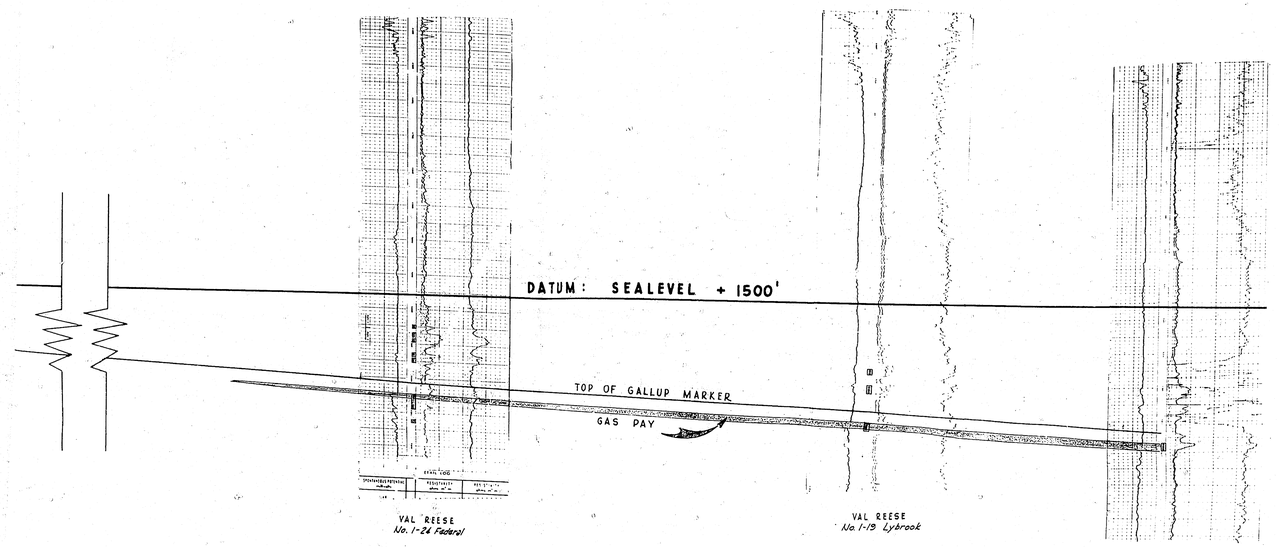
ESCRITO G

LOG CROSS SECTION

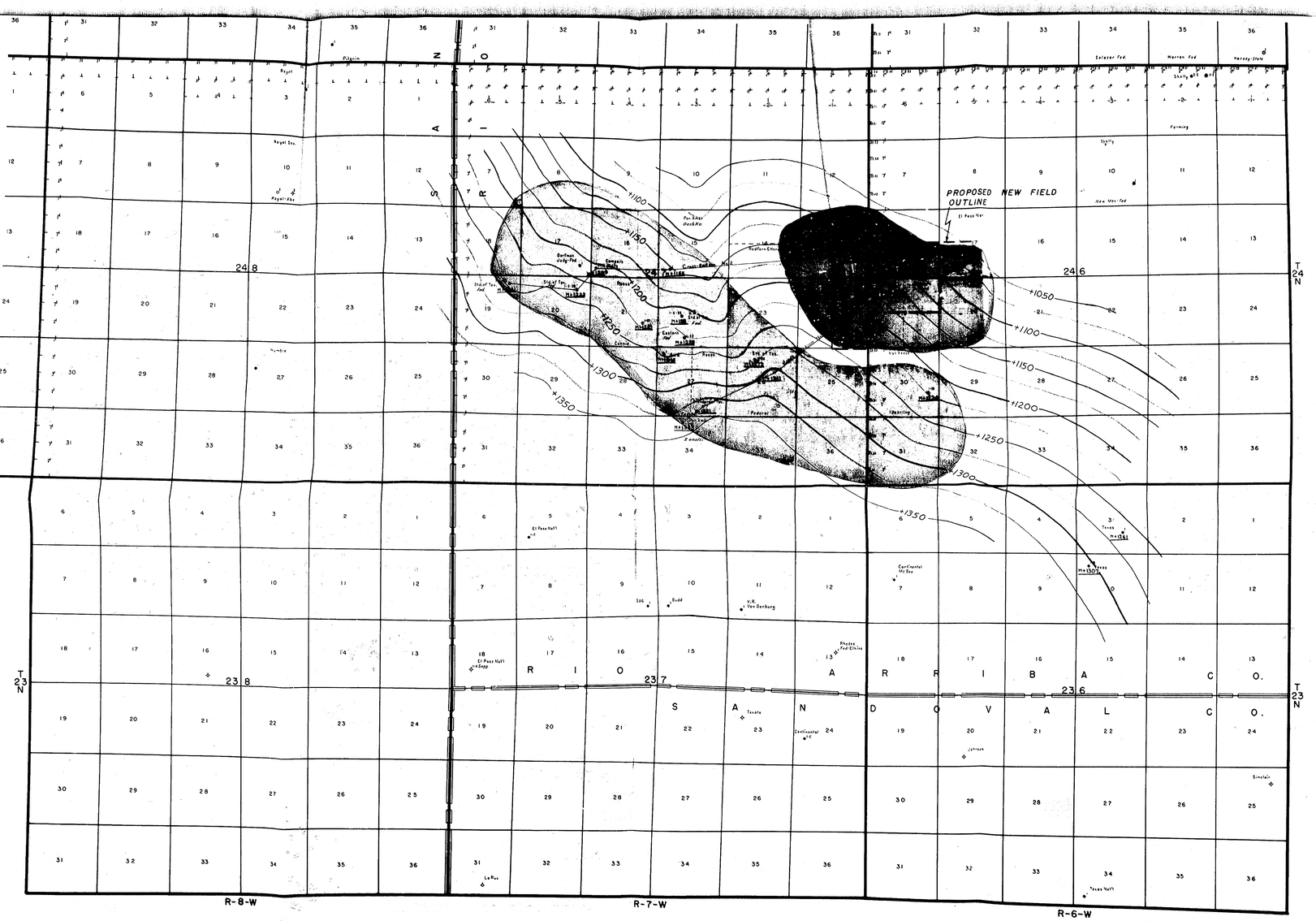
U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

GALLUP AREA

TION AND POTENTIAL PROFILE



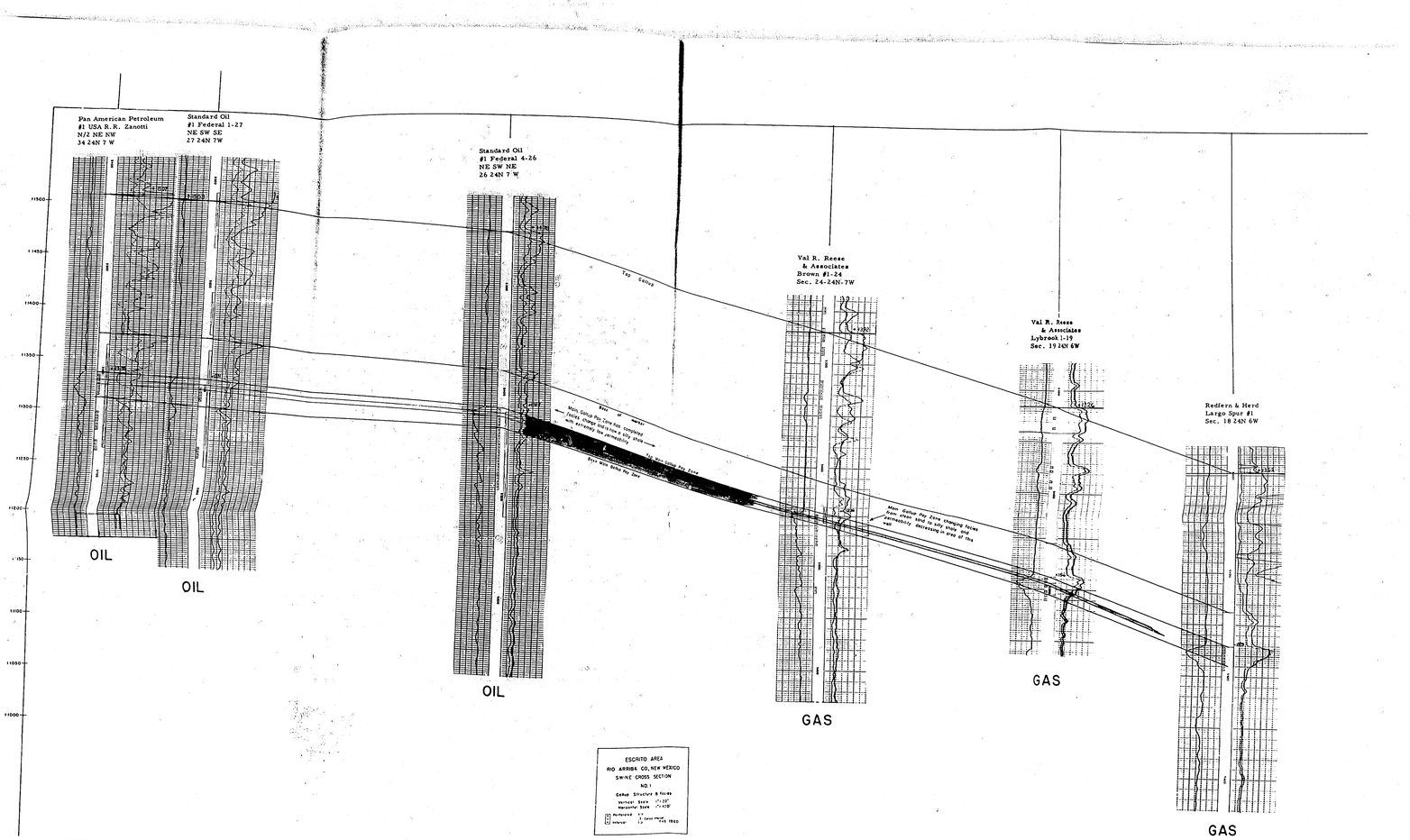
A.S.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
Rio Arriba County, New Mexico
Contoured on Top Main Gallup Pay Zone
C.I. = 25 ft. Map Scale 1-3000
Febr. 1960

#2

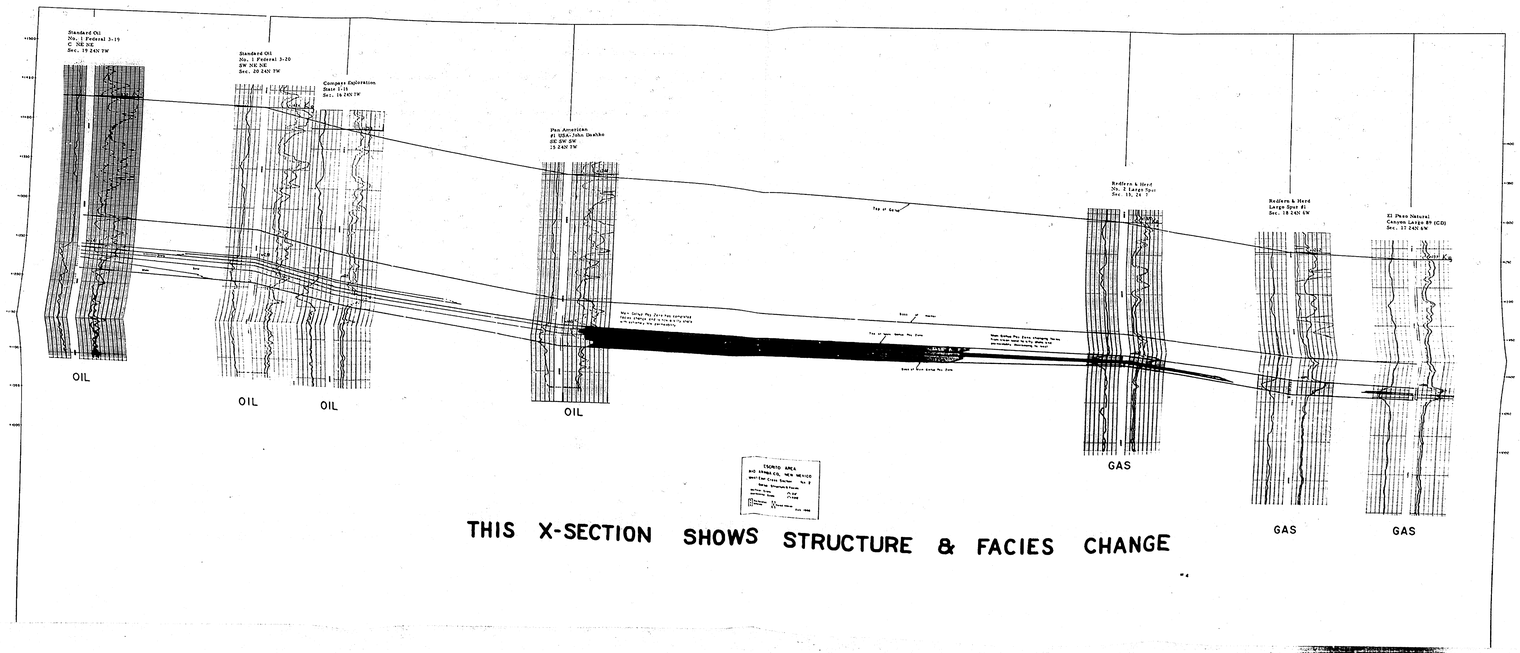
V.A.N.G.F. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
RIO ARRIBA CO, NEW MEXICO
S-W/4E CROSS SECTION
NO. 1
Datum: Structure & Facies
Vertical Scale 1"= 50'
Horizontal Scale 1"= 1000'
Perforated
Interval

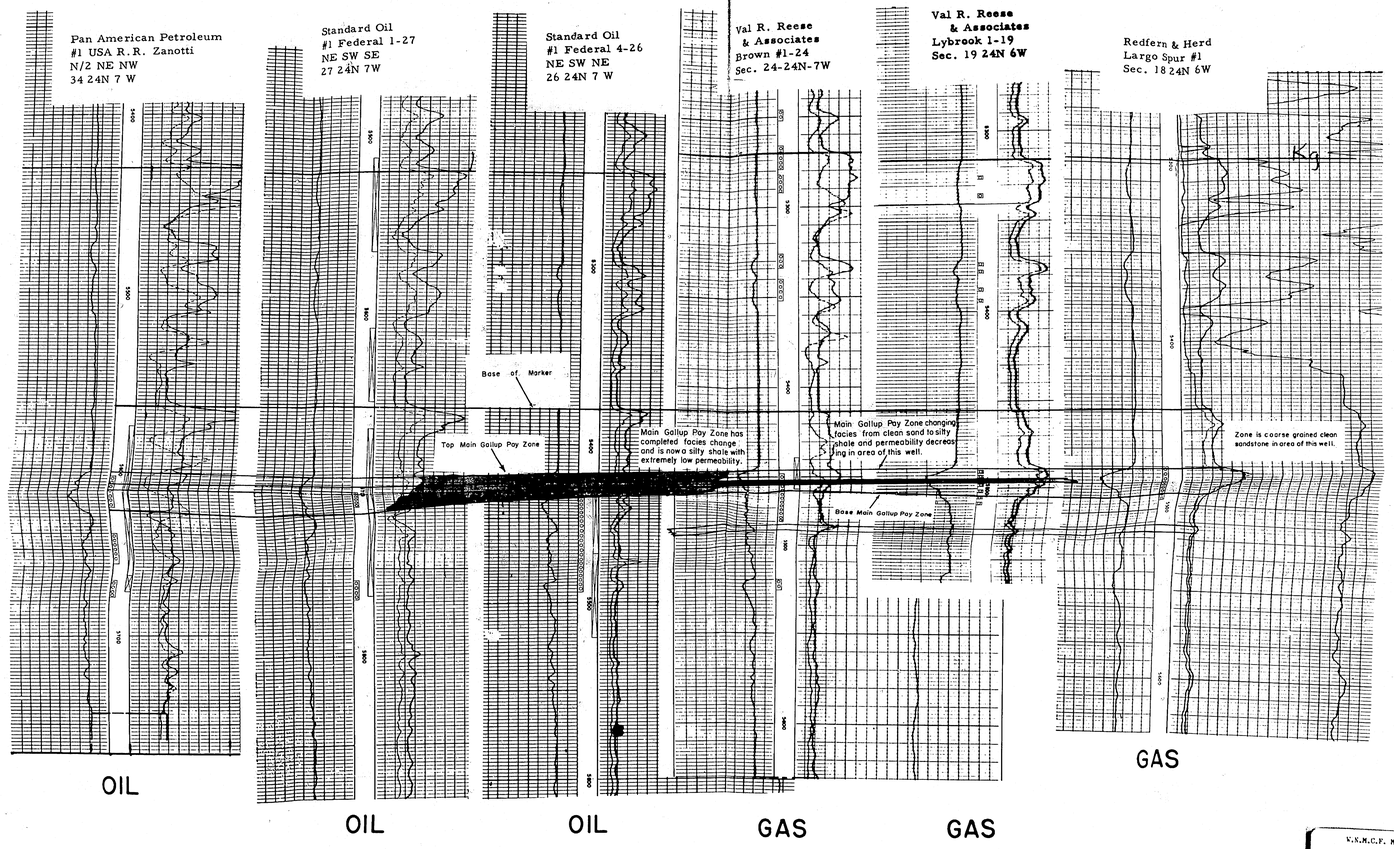
THIS X-SECTION SHOWS STRUCTURE & FACIES CHANGE

N.M.O.C.C. MICROGRAPHICS
BEST AVAILABLE COPY



THIS X-SECTION SHOWS STRUCTURE & FACIES CHANGE

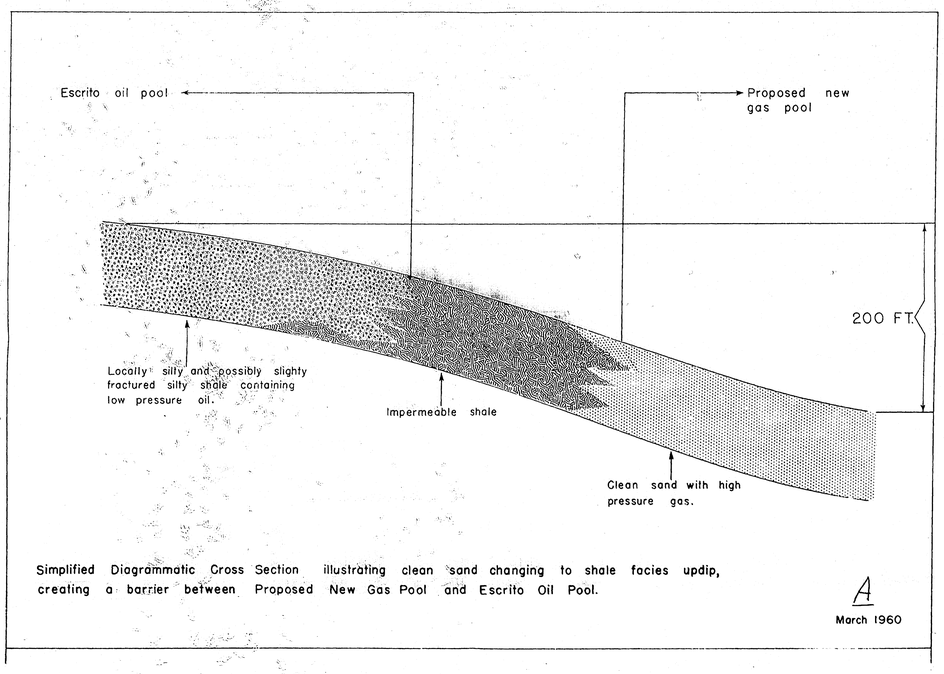
N.M.G.F. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
RIO ARRIBA CO, NEW MEXICO
SW-NE CROSS SECTION
NO 1-A
Datum line is base of Marker above Main zone.
Well logs placed in juxtaposition to show facies change and correlation
Vertical Scale 1"=20'
No Horizontal Scale
Perforated Interval
Cored Interval
Feb 1960

U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

THIS X-SECTION DOES NOT SHOW STRUCTURE

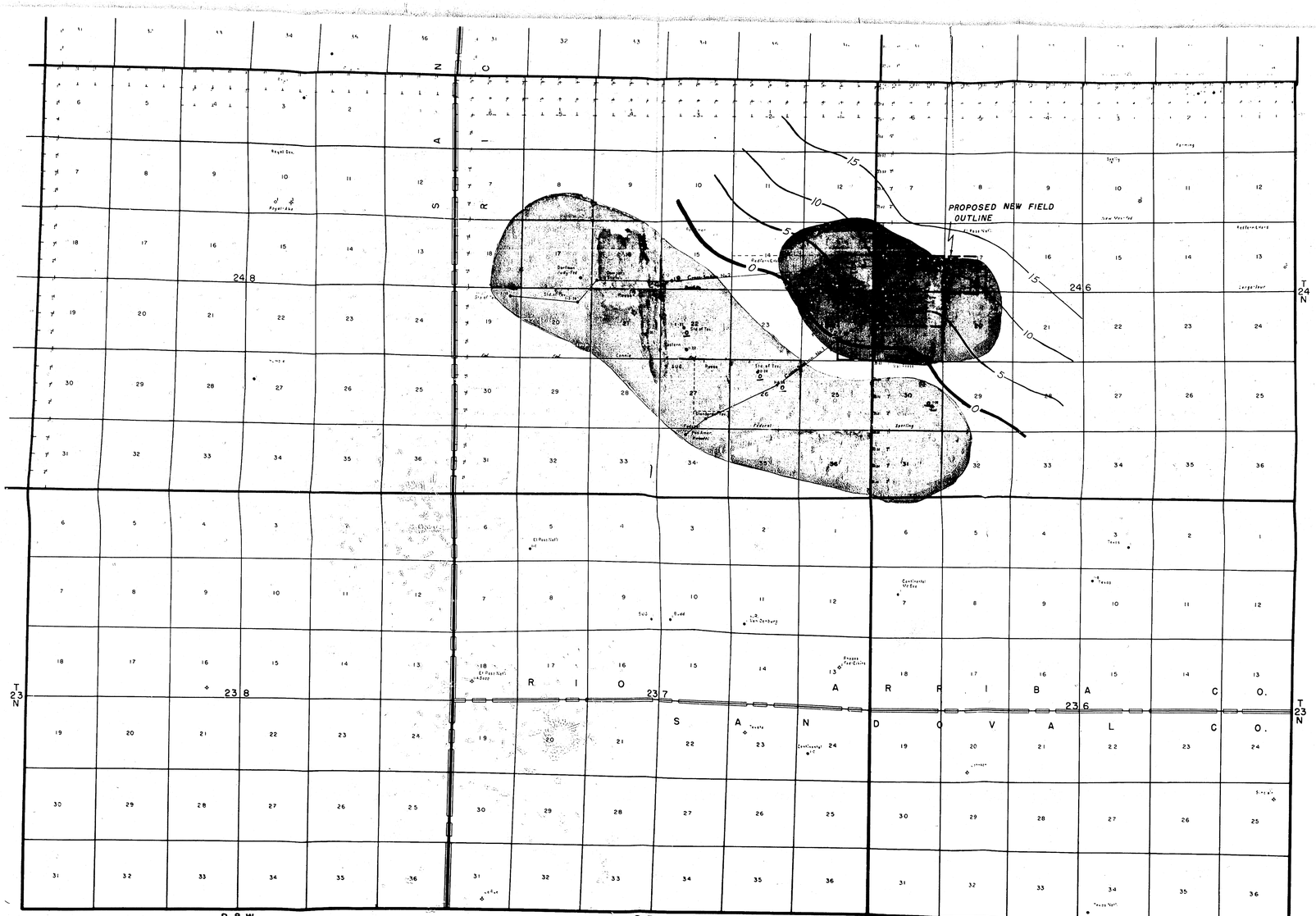


Simplified Diagrammatic Cross Section illustrating clean sand changing to shale facies updip, creating a barrier between Proposed New Gas Pool and Escrito Oil Pool.

A

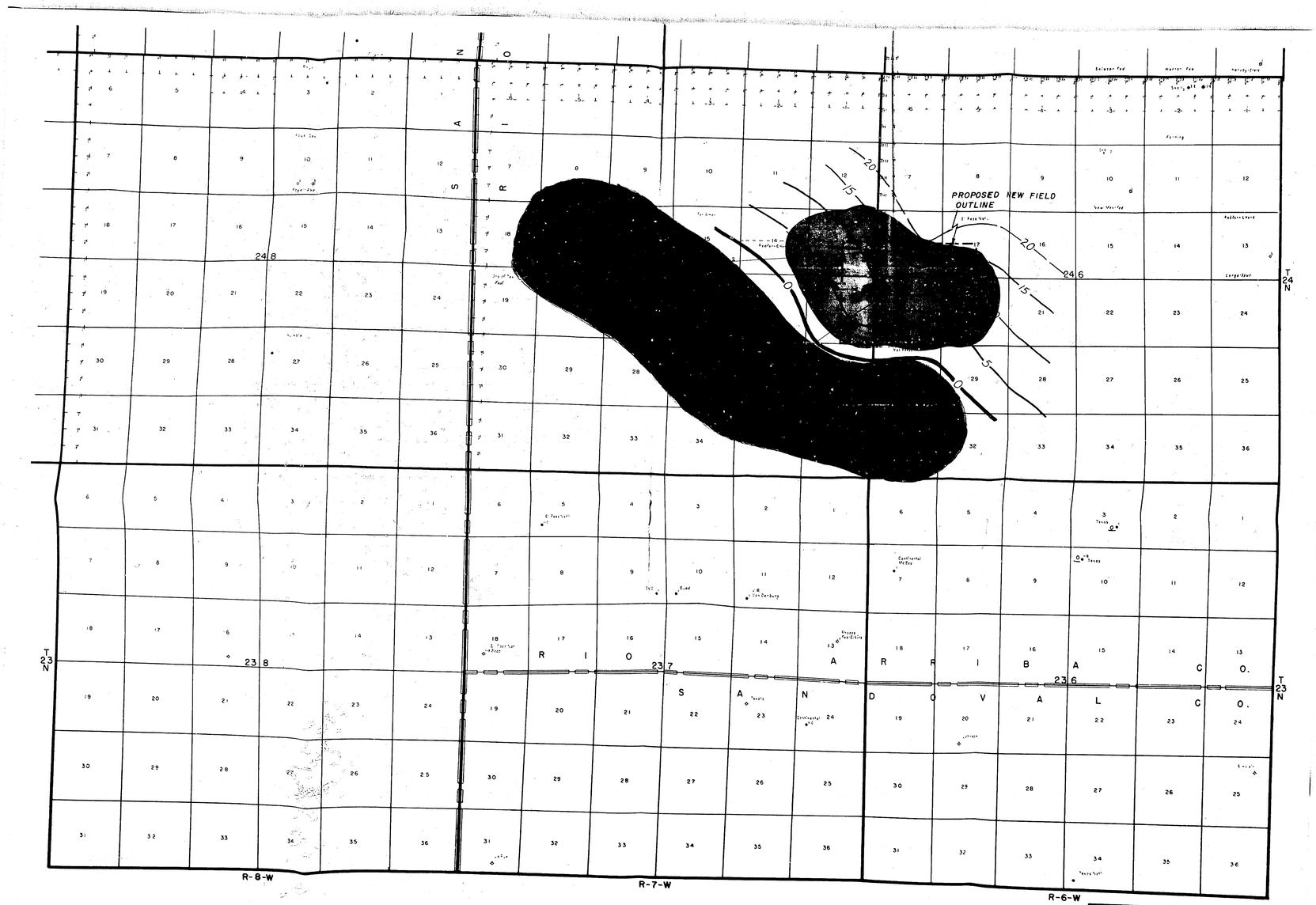
March 1960

U.S.N.C.F. MICROGRAPHICS



ESCRITO AREA
Rio Arriba County, New Mexico
Net Sand Thickness in Largo Spur Sand Bar
Taken from Microlog or Sonic Log
C.I. = 5 ft. Map Scale 1:3000
March 1960

U.N.M.C.F. MICROGRAPHICS
NOT AVAILABLE FOR LOAN



ESCRITO AREA
Rio Arriba County, New Mexico
Net Sand Thickness in Largo Spar Sand Bar
Taken from ES-Induction Logs
C.I. = 5 ft. Map Scale 1:3000
March 1960

#7

U.S.B.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

Standard Oil
No. 1 Federal 3-19
C NE NE
Sec. 19 24N 7W

Standard Oil
No. 1 Federal 3-20
SW NE NE
Sec. 20 24N 7W

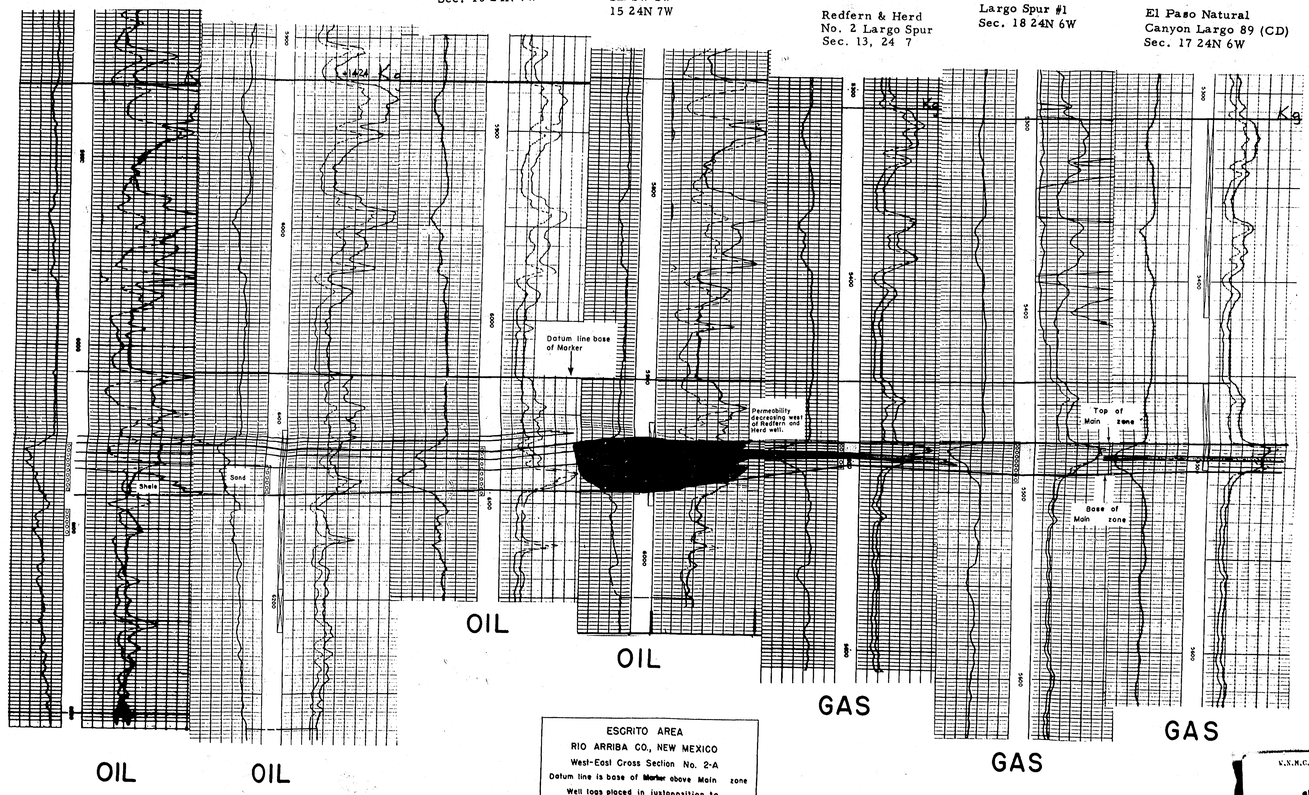
Compass Exploration
State 1-16
Sec. 16 24N 7W

Pan American
#1 USA-John Dashko
SE SW SW
15 24N 7W

Redfern & Herd
No. 2 Largo Spur
Sec. 13, 24 7

Redfern & Herd
Largo Spur #1
Sec. 18 24N 6W

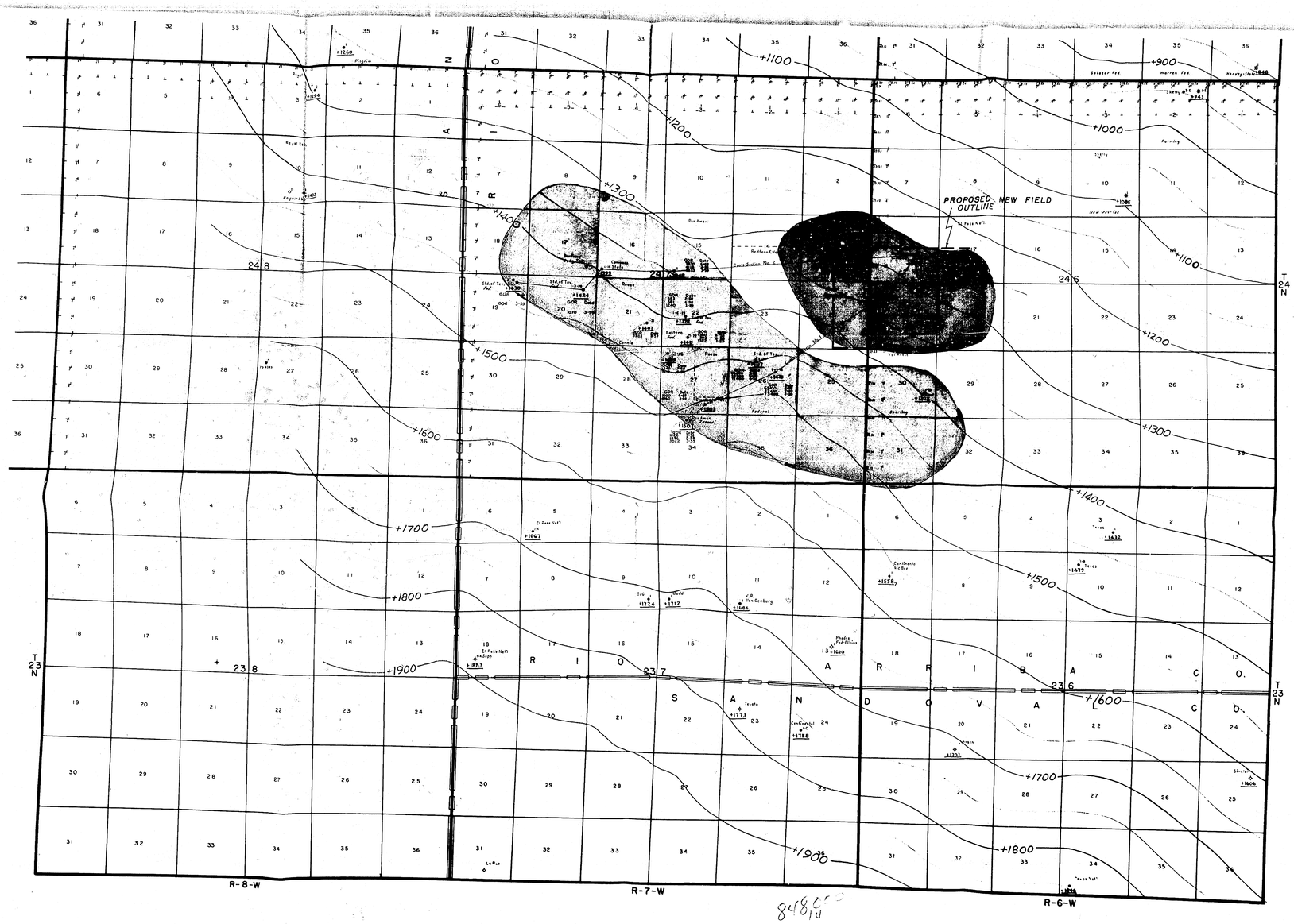
El Paso Natural
Canyon Largo 89 (CD)
Sec. 17 24N 6W



ESCRITO AREA
RIO ARRIBA CO., NEW MEXICO
West-East Cross Section No. 2-A
Datum line is base of Marker above Main zone
Well logs placed in juxtaposition to show facies change and correlation
Vertical Scale 1" = 20'
No Horizontal Scale
Perforated Interval
Cored Interval
Feb. 1960

U.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

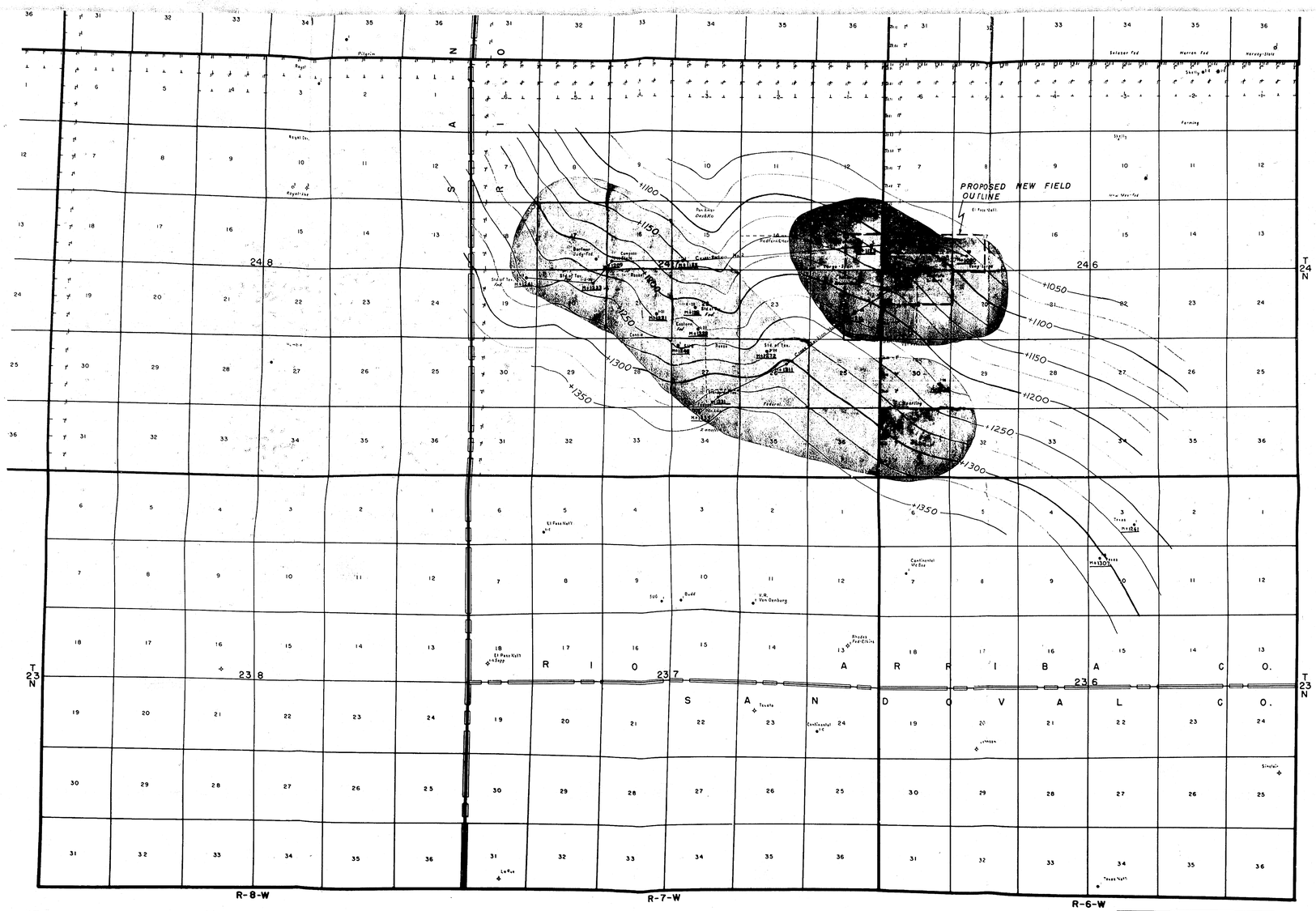
THIS X-SECTION DOES NOT SHOW STRUCTURE



ESCRITO AREA
RIO ARRIBA CO., NEW MEXICO
Contoured on Top Gallup
Contour Interval = 50 Ft.
Map Scale 1 - 3000
Feb 1960

U.S.G.S. PHOTOGRAPHICS

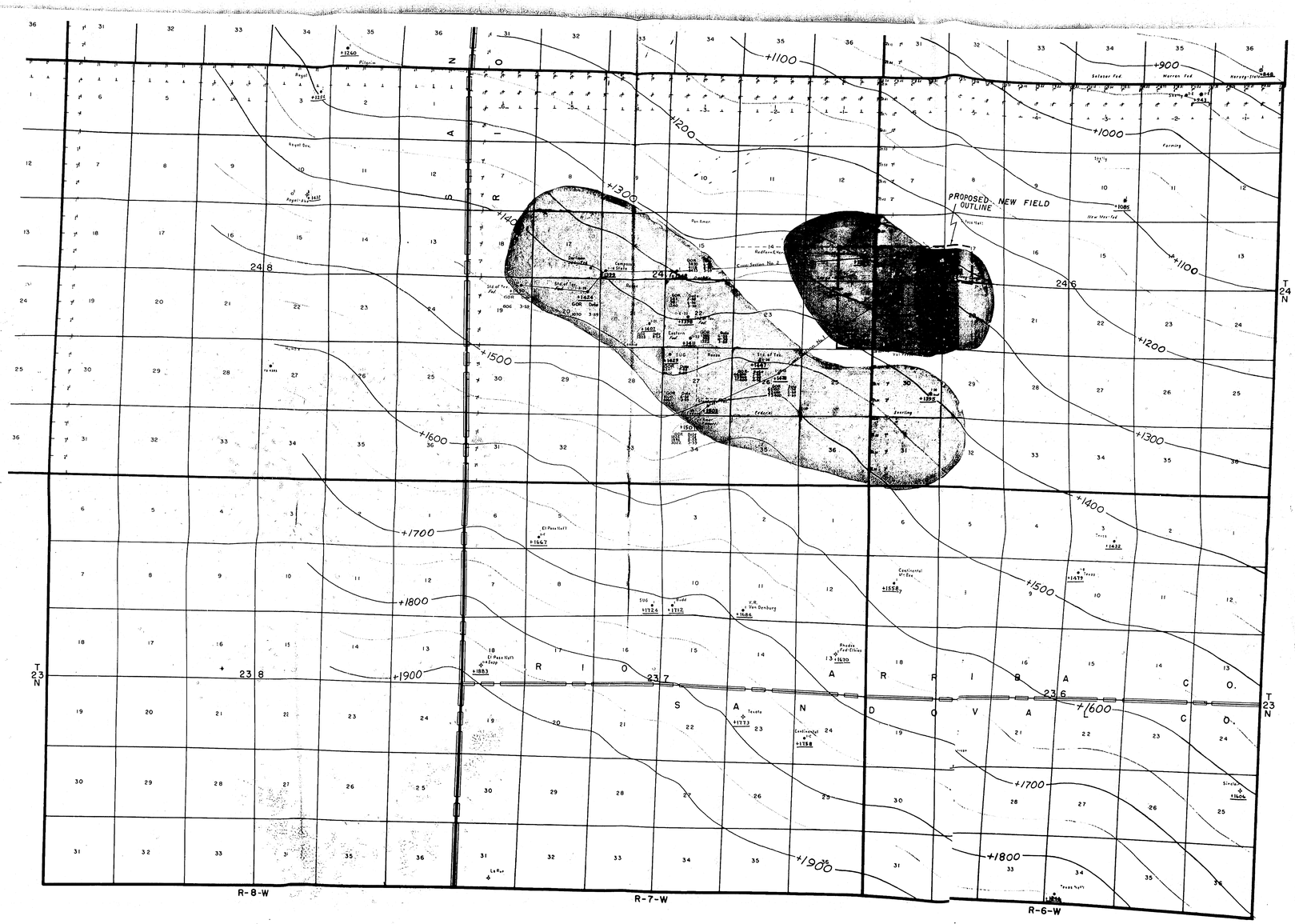
NOT AVAILABLE FOR



ESCRITO AREA
Rio Arriba County, New Mexico
Contoured on Top Main Gallup Pay Zone
C.I. = 25 ft. Map Scale 1-3000
Feb. 19--

#2

U.S.G.S. TOPOGRAPHIC

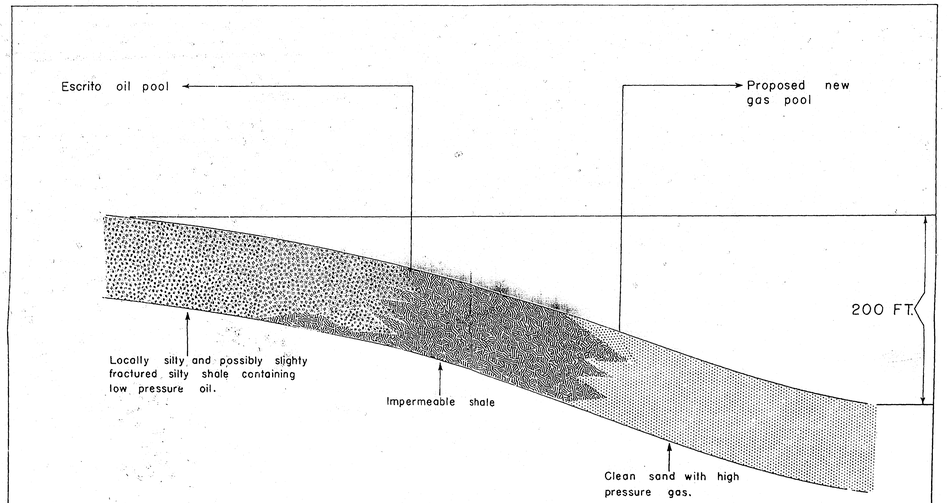


ESCRITO AREA
RIO ARRIBA CO., NEW MEXICO
Contoured on Top Gallup
Contour Interval - 50 Ft.
Map Scale 1" - 3000

Feb. 1960

#1

U.S.G.S. MICROGRAPHICS



Simplified Diagrammatic Cross Section illustrating clean sand changing to shale facies updip, creating a barrier between Proposed New Gas Pool and Escrito Oil Pool.

A

March 1960

U.S.G.S. MICROGRAPHICS

PAN AMERICAN #1 Zanotti		STANDARD OIL #1-27 Federal		STANDARD OIL #1 4-26 Federal		VAL REESE & ASSOC. #1-24 Federal		STANDARD OIL #1 3-2C Federal		PAN AMERICAN #1 Dashko		EL PASO NATURAL #89 Canyon Largo		SOUTHERN UNION #1 Ernest	
Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity
0.05	4.3	0.02	5.6	0.14	13.2	0.27	12.2	f	5.9	0.1	4.9	8.75	11.5	0.38	8.8
0.04	14.9	0.09	8.7	0.12	8.8	0.57	11.4	0.01	8.0	0.3	7.4	5.13	9.1	3.0	10.2
0.08	9.6	0.16	10.9	0.40	16.1	0.52	13.1	0.01	7.6	0.2	6.8	0.04	6.7	8.4	13.6
0.03	9.4	0.08	12.3	0.28	10.4	0.18	13.4	0.02	8.0	0.2	7.0	0.10	4.4	13.0	9.5
0.04	9.2	0.06	10.0	0.21	9.3	0.42	7.1	0.02	9.9	0.1	8.1	0.83	10.2	0.27	11.1
0.70	10.4	0.41	10.8	0.14	9.6	0.17	9.5	0.05	12.5	0.1	7.9	0.17	7.5	0.05	8.3
0.48	12.1	0.13	13.1	0.21	11.6	0.15	10.1	f	12.1	0.1	5.9	40.00	12.7	0.08	10.3
0.08	12.0	0.25	12.8	0.25	14.9	0.16	11.4	f	11.7	0.1	6.8	25.00	13.2	0.55	9.8
0.04	8.0	0.19	12.9	1.0	13.7	0.19	10.4	0.09	12.2	0.1	7.5	0.22	5.8	0.12	11.4
0.23	11.0	0.17	13.6	0.14	7.0	0.17	11.4	0.10	12.5	0.3	7.7	7.17	11.2	0.12	13.2
0.08	10.9	0.17	15.1	0.13	10.4			0.09	10.7	0.1	7.4	5.51	10.5	0.16	6.7
1.3	10.8	0.16	11.0	0.07	12.7			0.09	10.3	0.1	8.4	43.00	14.5	0.08	10.6
0.04	9.1			0.12	10.6			0.13	12.0	0.5	9.0	74.00	14.9	0.03	10.8
0.62	10.7			0.07	9.5			0.07	9.6	0.1	8.7	19.00	12.5	0.07	10.8
0.14	8.7			0.04	5.5			0.39	7.4	0.5	7.8	1.84	9.9	1.3	9.8
0.28	7.3			0.04	7.5			0.23	10.4	0.3	8.6	0.08	8.9	0.13	11.5
0.73	7.7			0.02	7.4			0.10	9.9	0.1	8.1	0.05	6.3	0.21	8.7
0.03	7.1			0.13	6.7			0.17	8.7	3.3	6.3			0.08	6.9
0.04	5.6			0.17	6.2			0.16	9.1	0.1	2.7			0.02	5.8
				0.05	6.4			0.37	16.3	0.1	2.5			0.03	5.0
				0.05	6.7			0.10	12.4	0.1	7.3			0.02	5.2
				0.02	6.0			0.22	13.1	0.1	9.0			0.08	3.9
				0.04	8.2			0.08	14.8	0.1	9.8			0.05	5.7
				1.0	7.4			0.16	8.8	0.1	4.5			0.08	5.4
				0.01	7.0			0.09	11.5	0.1	4.5			0.02	6.4
								0.29	8.2	0.2	8.0			*	8.8
								0.20	8.4	0.4	4.7			1.3	8.5
								0.10	11.3	0.1	5.4			0.05	1.5
								0.02	8.5	0.1	5.8			0.12	5.3
								0.06	14.0	0.1	5.8				
								0.04	8.9	0.1	5.2				
								0.10	8.3	0.1	4.7				
								0.06	7.8	0.3	4.4				
										0.3	5.8				

U.N.M.C.F. MICROGRAPHICS

NOT AVAILABLE FOR LOAN

PAN AMERICAN #1 Zanotti		STANDARD OIL #1-27 Federal		STANDARD OIL #1 4-26 Federal		VAL REESE & ASSOC. #1-24 Federal	
Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity
-	-	0.02	5.6	0.14	13.2	0.27	12.2
0.05	4.3	0.09	8.7	0.12	8.8	0.57	11.4
0.04	14.9	0.16	10.9	0.40	14.1	0.52	13.1
0.08	9.6	0.08	12.3	0.28	10.4	0.18	13.4
0.03	9.4	0.08	10.0	0.21	9.3	0.42	7.1
0.06	9.2	0.41	10.8	0.14	9.6	0.17	9.5
0.70	10.4			0.21	11.6	0.15	10.1
0.48	12.1	0.13	13.1	0.25	14.9	0.16	11.4
0.08	12.0	0.25	12.8	1.0	13.7	0.19	10.4
0.04	8.0	0.19	12.9	0.14	7.0	0.17	11.4
0.23	11.0	0.17	13.6	0.13	10.4		
0.08	10.9	0.17	15.1	0.07	12.7		
1.3	10.8	0.16	11.0	0.12	10.6		
0.06	9.1			0.07	9.5		
0.62	10.7			0.04	5.5		
0.14	8.7			0.04	7.5		
0.28	7.3			0.02	7.6		
0.73	7.7			0.13	6.7		
0.03	7.1			0.17	6.2		
0.04	5.6			0.05	6.4		
				0.05	6.7		
				0.02	6.0		
				0.04	8.2		
				1.0	7.4		
				0.01	7.0		

STANDARD OIL #1 1-20 Federal		PAN AMERICAN #1 Osabko		EL PASO NATURAL #89 Canyon Largo		SOUTHERN UNION #1 Ernest	
Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity
f	5.9	0.1	4.9	8.75	11.5	0.38	8.8
0.01	8.0	0.3	7.4	5.13	9.1	1.0	10.2
0.01	3.6	0.2	6.8	0.04	6.7	8.4	13.6
0.02	6.0	0.2	7.0	0.10	4.4	13.0	9.5
0.02	9.9	0.1	8.1	0.83	10.2	0.27	11.1
0.05	12.5	0.1	7.9	0.17	7.5	0.05	8.3
f	12.1	0.1	5.9	40.00	12.7	0.08	10.3
f	11.7	0.1	6.8	25.00	13.2	0.55	9.8
0.09	12.2	0.1	7.5	0.22	5.8	0.12	11.4
0.10	12.5	0.3	7.7	7.17	11.2	0.12	13.2
0.09	10.7	0.1	7.4	5.51	10.5	0.16	6.7
0.09	10.3	0.1	8.4	43.00	14.5	0.08	10.6
0.13	12.0	0.5	9.0	74.00	14.9	0.03	10.8
0.07	9.6	0.1	8.7	19.00	12.5	0.07	10.8
0.39	7.4	0.5	7.8	1.84	9.9	1.3	9.8
0.23	10.4	0.3	8.6	0.08	8.9	0.13	11.5
0.10	9.9	0.1	8.1	0.05	6.3	0.21	8.7
0.17	8.7	3.3	6.3			0.08	6.9
0.16	9.1	0.1	2.7			0.02	5.8
0.33	16.3	0.1	2.5			0.03	5.0
0.10	12.4	0.1	7.3			0.02	5.2
0.22	13.1	0.1	9.0			0.08	3.9
0.08	14.8	0.1	9.8			0.05	5.7
0.16	8.8	0.1	4.5			0.08	5.4
0.09	11.5	0.1	4.5			0.02	6.4
0.29	8.2	0.2	8.0			*	8.8
0.30	8.4	0.4	4.7			1.3	8.5
0.10	11.3	0.1	5.4			0.05	1.5
0.02	8.5	0.1	5.8			0.12	5.3
0.06	14.0	0.1	5.8				
0.06	8.9	0.1	5.2				
0.10	8.3	0.1	4.7				
0.06	7.8	0.3	4.4				
		0.3	5.8				

V.V.N.C.F. MICROGRAPHICS

PAN AMERICAN #1 Zanotti		STANDARD OIL #1-27 Federal		STANDARD OIL #1 4-26 Federal		VAL REESE & ASSOC. #1-24 Federal	
Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity
0.05	4.3	0.02	5.6	0.14	13.2	0.27	12.2
0.04	14.9	0.09	8.7	0.12	8.8	0.57	11.4
0.08	9.6	0.16	10.9	0.40	14.1	0.52	13.1
0.03	9.4	0.08	12.3	0.28	10.6	0.18	13.4
0.04	9.2	0.06	10.0	0.21	9.3	0.42	7.1
0.70	10.4	0.41	10.8	0.14	9.6	0.17	9.5
0.48	12.1	0.13	13.1	0.21	11.6	0.15	10.1
0.08	12.0	0.25	12.8	0.25	14.9	0.16	11.4
0.06	8.0	0.19	12.9	1.0	13.7	0.19	10.4
0.23	11.0	0.17	13.6	0.14	7.0	0.17	11.4
0.08	10.9	0.17	15.1	0.13	10.4		
1.3	10.8	0.16	11.0	0.07	12.7		
0.04	9.1			0.12	10.6		
0.42	10.7			0.07	9.5		
0.14	8.7			0.04	5.5		
0.28	7.3			0.04	7.5		
0.73	7.7			0.02	7.4		
0.03	7.1			0.13	6.7		
0.04	5.6			0.17	6.2		
				0.05	6.4		
				0.05	6.7		
				0.02	6.0		
				0.04	8.2		
				1.0	7.4		
				0.01	7.0		

STANDARD OIL #1 3-20 Federal		PAN AMERICAN #1 Dashko		EL PASO NATURAL #89 Canyon Largo		SOUTHERN UNION #1 Ernest	
Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity
f	5.9	0.1	4.9	8.75	11.5	0.38	8.8
0.01	8.0	0.3	7.4	5.13	9.1	3.0	10.2
0.01	7.6	0.2	6.8	0.06	6.7	8.4	13.6
0.02	8.0	0.2	7.0	0.10	4.6	13.0	9.5
0.02	9.9	0.1	8.1	0.83	10.2	0.27	11.1
0.05	12.5	0.1	7.9	0.17	7.5	0.05	8.3
f	12.1	0.1	5.9	40.00	12.7	0.08	10.3
f	11.7	0.1	6.8	25.00	13.2	0.55	9.8
0.09	12.2	0.1	7.5	0.22	5.8	0.12	11.4
0.10	12.5	0.3	7.7	7.17	11.2	0.12	13.2
0.09	10.7	0.1	7.4	5.51	10.5	0.16	6.7
0.09	10.3	0.1	8.4	43.00	14.5	0.08	10.6
0.13	12.0	0.5	9.0	74.00	14.9	0.03	10.8
0.07	9.6	0.1	8.7	19.00	12.5	0.07	10.8
0.39	7.4	0.5	7.8	1.84	9.9	1.3	9.8
0.23	10.4	0.3	8.6	0.08	8.9	0.13	11.5
0.10	9.9	0.1	8.1	0.05	6.3	0.21	8.7
0.17	8.7	3.3	6.3			0.08	6.9
0.16	9.1	0.1	2.7			0.02	5.8
0.37	16.3	0.1	2.5			0.03	5.0
0.10	12.4	0.1	7.3			0.02	5.2
0.22	13.1	0.1	9.0			0.08	3.9
0.08	14.8	0.1	9.8			0.05	5.7
0.16	8.8	0.1	4.5			0.08	5.4
0.09	11.5	0.1	4.5			0.02	6.4
0.29	8.2	0.2	8.0			*	8.8
0.20	8.4	0.4	4.7			1.3	8.5
0.10	11.3	0.1	5.4			0.05	1.5
0.02	8.5	0.1	5.8			0.12	5.3
0.06	14.0	0.1	5.8				
0.04	8.9	0.1	5.2				
0.10	8.3	0.1	4.7				
0.06	7.8	0.3	4.4				
		0.3	5.8				

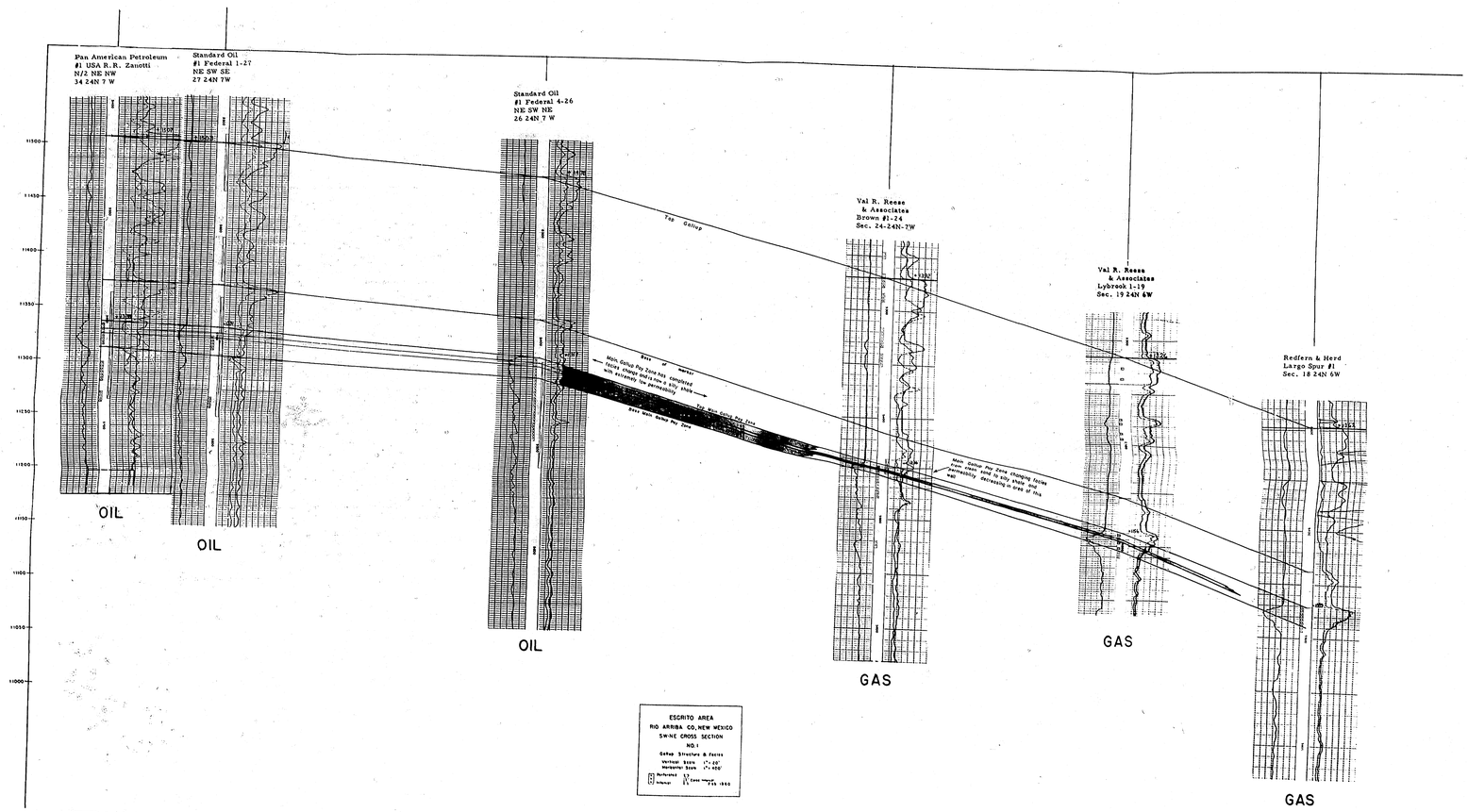
U.S.N.C.F. MICRORAFHICS

BEST AVAILABLE COPY

PAN AMERICAN #1 Zanotti		STANDARD OIL #1-27 Federal		STANDARD OIL #1 4-26 Federal		VAL REESE & ASSOC. #1-24 Federal		STANDARD OIL #1 3-20 Federal		PAN AMERICAN #1 Dashko		EL PASO NATURAL #89 Canyon Largo		SOUTHERN UNION #1 Ernest	
Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity	Perm.	Porosity
0.05	4.3	0.02	5.6	0.14	13.2	0.27	12.2	f	5.9	0.1	6.9	8.75	11.5	0.38	8.8
0.04	14.9	0.09	8.7	0.12	8.8	0.57	11.4	0.01	8.0	0.3	7.4	5.13	9.1	3.0	10.2
0.08	9.6	0.16	10.9	0.40	14.1	0.52	13.1	0.01	7.6	0.2	6.8	0.04	6.7	8.4	13.6
0.03	9.4	0.08	12.3	0.28	10.4	0.18	13.4	0.02	8.0	0.2	7.0	0.10	4.4	13.0	9.5
0.04	9.2	0.06	10.0	0.21	9.3	0.42	7.1	0.02	9.9	0.1	8.1	0.83	10.2	0.27	11.1
0.70	10.4	0.61	10.8	0.14	9.6	0.17	9.5	0.05	12.5	0.1	7.9	0.17	7.5	0.05	8.3
0.48	12.1	0.13	13.1	0.21	11.6	0.15	10.1	f	12.1	0.1	5.9	40.00	12.7	0.08	10.3
0.08	12.0	0.25	12.8	0.25	14.9	0.16	11.6	f	11.7	0.1	6.8	25.00	13.2	0.55	9.8
0.04	8.0	0.19	12.9	1.0	13.7	0.19	10.4	0.09	12.2	0.1	7.5	0.22	5.8	0.12	11.4
0.23	11.0	0.17	13.6	0.14	7.0	0.17	11.6	0.10	12.5	0.3	7.7	7.17	11.2	0.12	13.2
0.08	10.9	0.17	15.1	0.13	10.4			0.09	10.7	0.1	7.4	5.51	10.5	0.16	6.7
1.3	10.8	0.16	11.0	0.07	12.7			0.09	10.3	0.1	8.4	43.00	14.5	0.08	10.6
0.04	9.1			0.12	10.6			0.13	12.0	0.5	9.0	74.00	14.9	0.03	10.8
0.62	10.7			0.07	9.5			0.07	9.6	0.1	8.7	19.00	12.5	0.07	10.8
0.14	8.7			0.06	5.5			0.39	7.4	0.5	7.8	1.84	9.9	1.3	9.8
0.28	7.3			0.04	7.5			0.23	10.4	0.3	8.6	0.08	8.9	0.13	11.5
0.73	7.7			0.02	7.4			0.10	9.9	0.1	8.1	0.05	6.3	0.21	8.7
0.03	7.1			0.13	6.7			0.17	8.7	3.3	6.3			0.08	6.9
0.04	5.6			0.17	6.2			0.16	9.1	0.1	2.7			0.02	5.8
				0.05	6.4			0.37	16.3	0.1	2.5			0.03	5.0
				0.05	6.7			0.10	12.4	0.1	7.3			0.02	5.2
				0.02	6.0			0.22	13.1	0.1	9.0			0.08	3.9
				0.04	8.2			0.08	14.8	0.1	9.8			0.03	5.7
				1.0	7.4			0.16	8.8	0.1	4.5			0.08	5.4
				0.01	7.0			0.09	11.5	0.1	4.5			0.02	6.4
								0.29	8.2	0.2	8.0			*	8.8
								0.20	8.4	0.4	4.7			1.3	8.5
								0.10	11.3	0.1	5.4			0.05	1.5
								0.02	8.5	0.1	5.8			0.12	5.3
								0.06	14.0	0.1	5.8				
								0.04	8.9	0.1	5.2				
								0.10	8.3	0.1	4.7				
								0.06	7.8	0.3	4.4				
										0.3	5.8				

U.N.M.G.F. MICROGRAPHICS

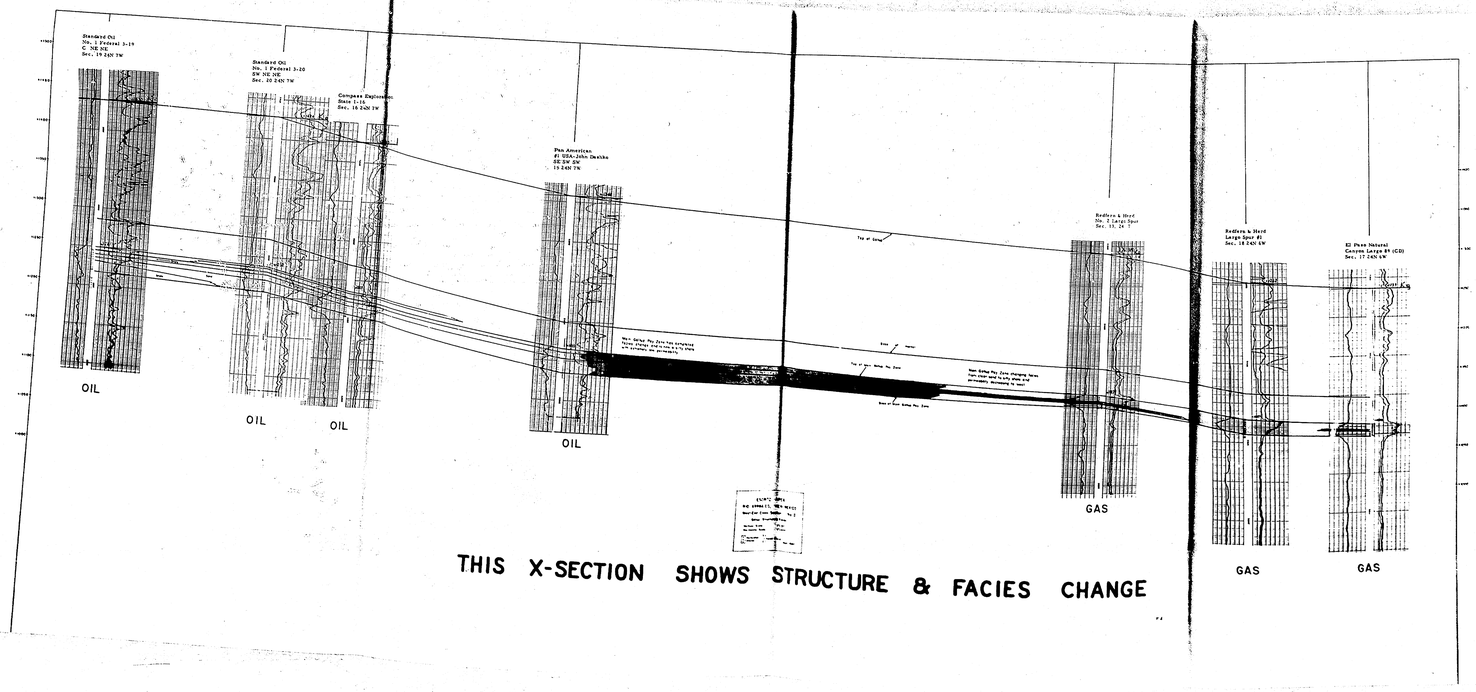
NEW MEXICO INST



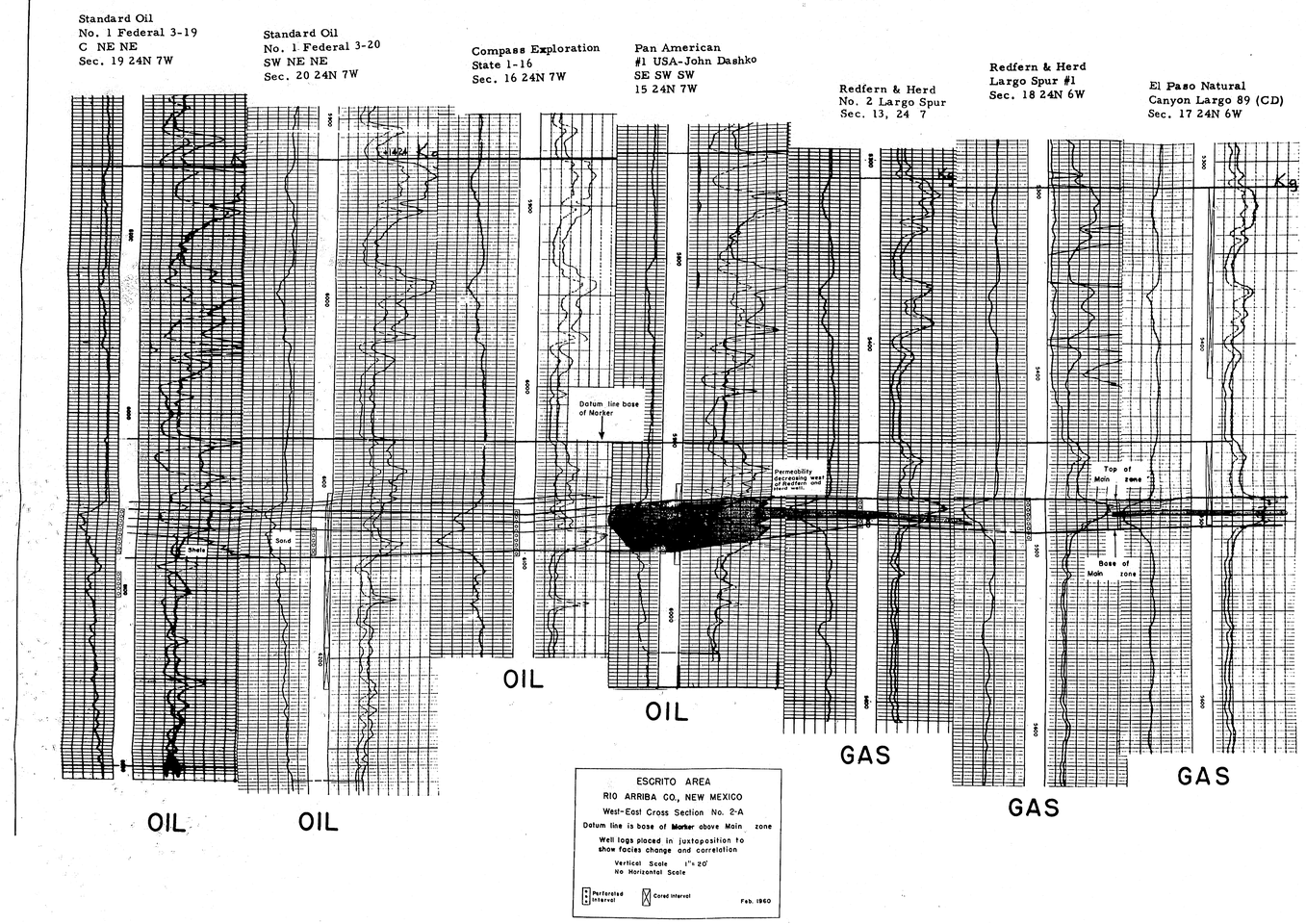
ESCRITO AREA
RIO ARRIBA CO. NEW MEXICO
S-W-N-E CROSS SECTION
NO. 1
Gallup Structure & Facies
Vertical Scale 1" = 50'
Horizontal Scale 1" = 400'
Reference Datum
Structural Contour Interval 250-1000

THIS X-SECTION SHOWS STRUCTURE & FACIES CHANGE

U.N.M.C.F. MICROGRAPHICS

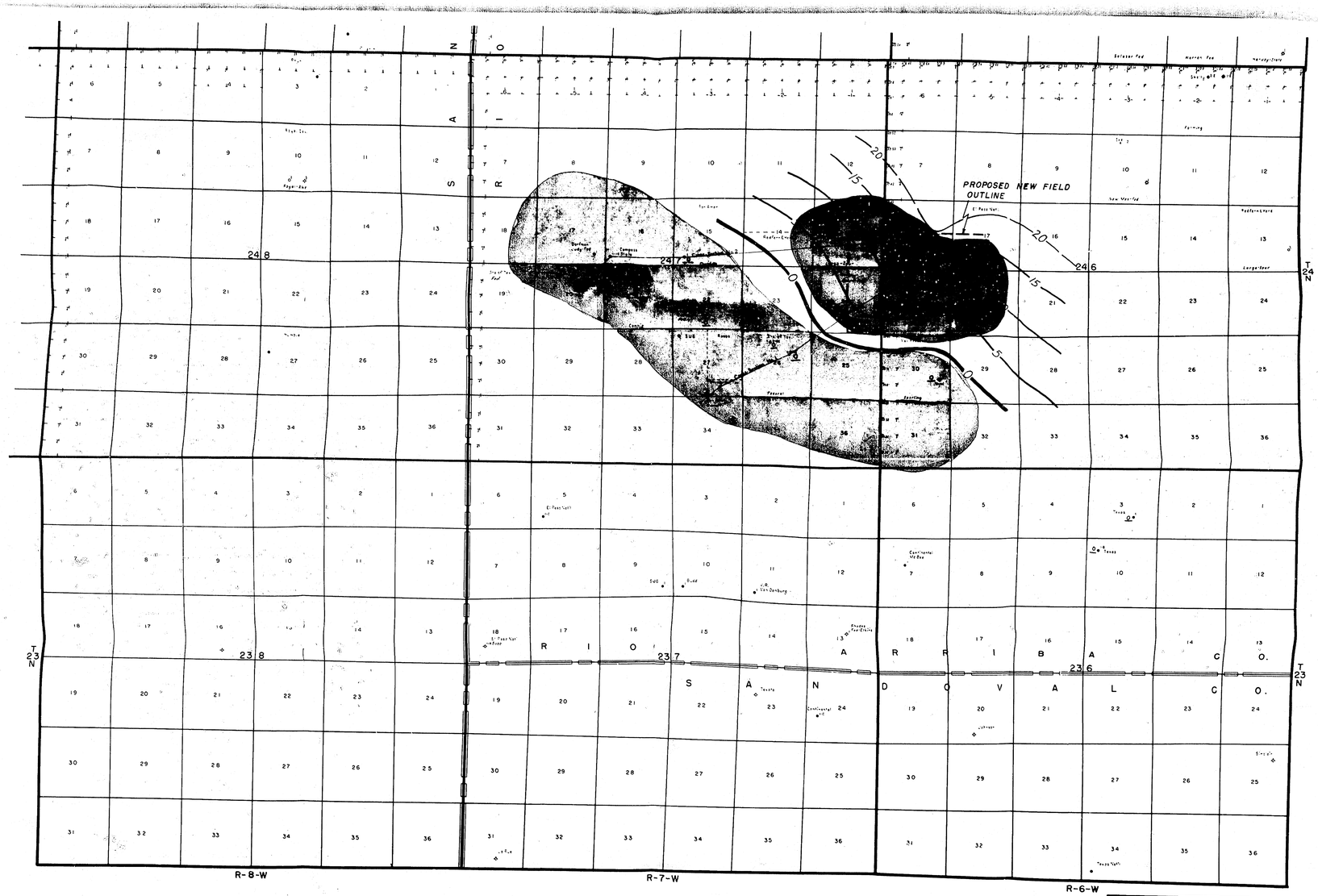


THIS X-SECTION SHOWS STRUCTURE & FACIES CHANGE



THIS X-SECTION DOES NOT SHOW STRUCTURE

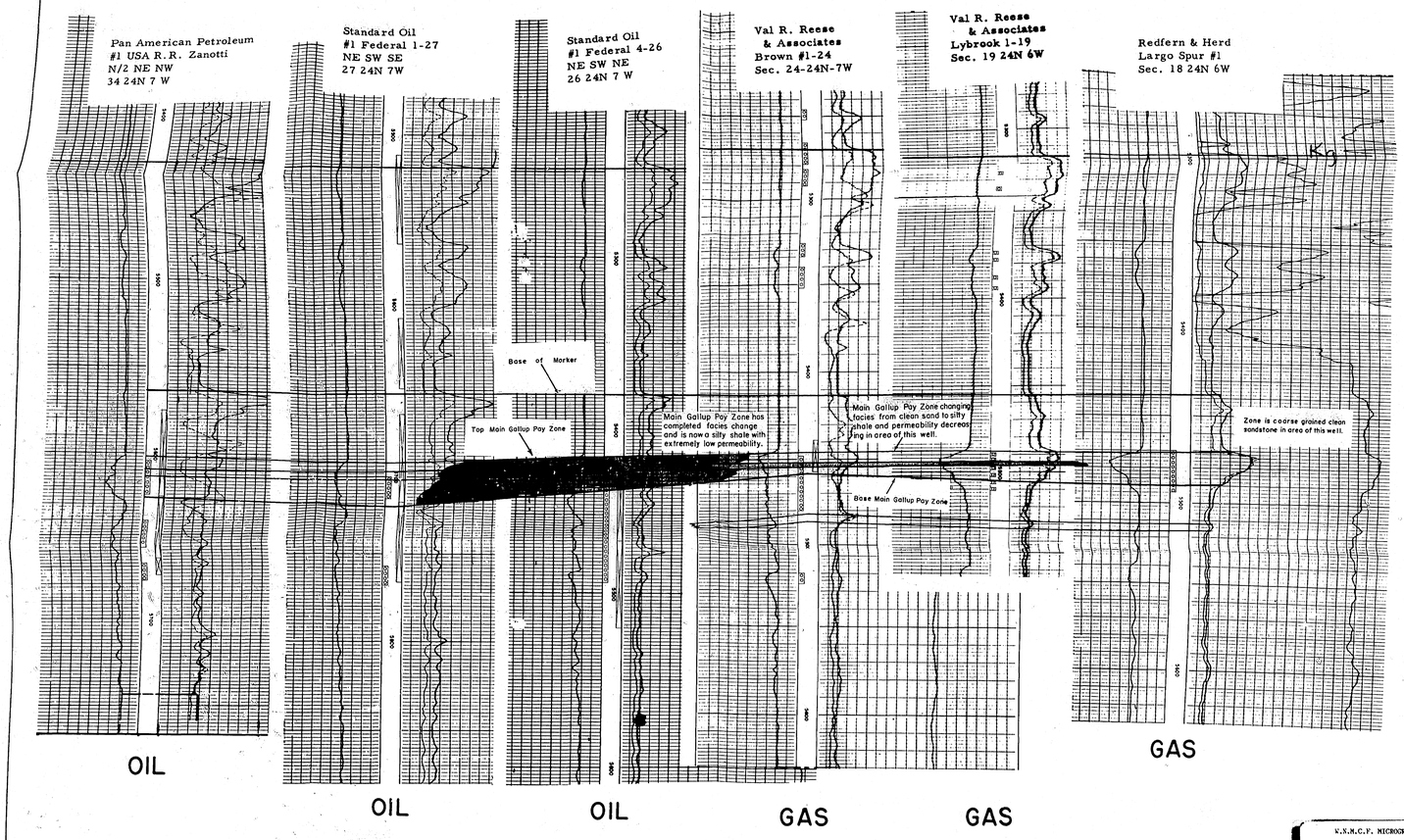
U.S.N.R.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
Rio Arriba County, New Mexico
Net Sand Thickness in Largo Spur Sand Bar
Taken from ES-Induction Logs
C.I. = 5 ft. Map Scale 1"=1000
March 1960

#7

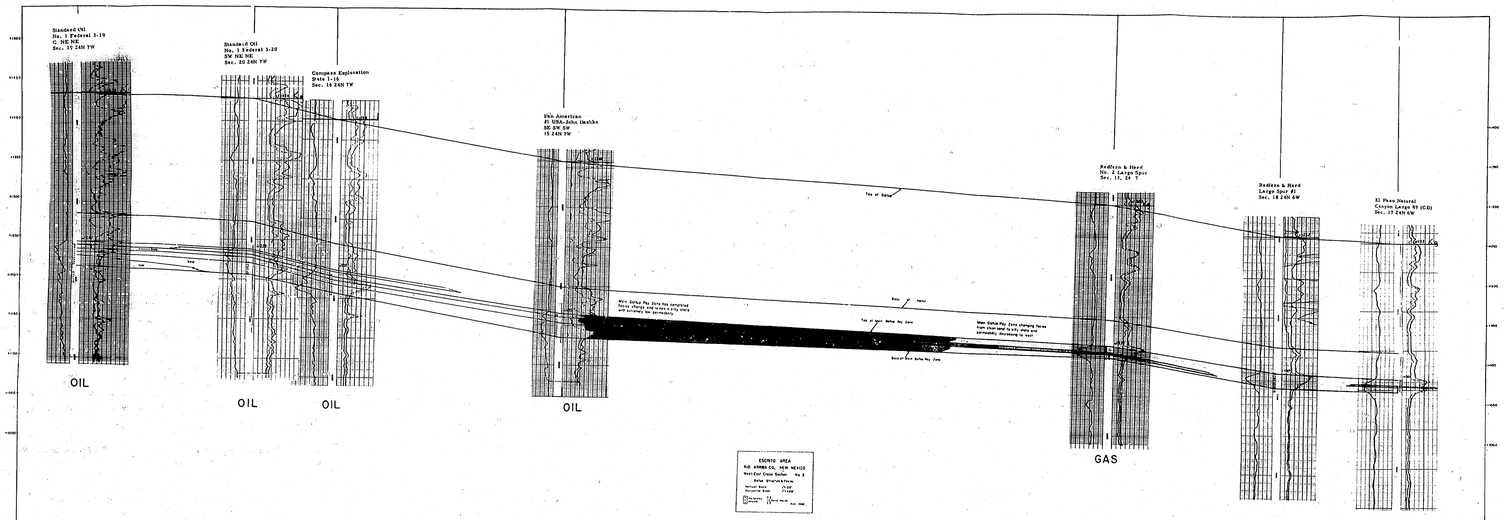
N.M.M.C.F. MICROGRAPHICS



ESCRITO AREA
RIO ARRIBA CO, NEW MEXICO
SW-NE CROSS SECTION
NO I-A
Datum line is base of Marker above Main zone. Well logs placed in juxtaposition to show facies change and correlation.
Vertical Scale 1"=20'
No Horizontal Scale
Reference Ellerhead
Cross section Feb. 1960

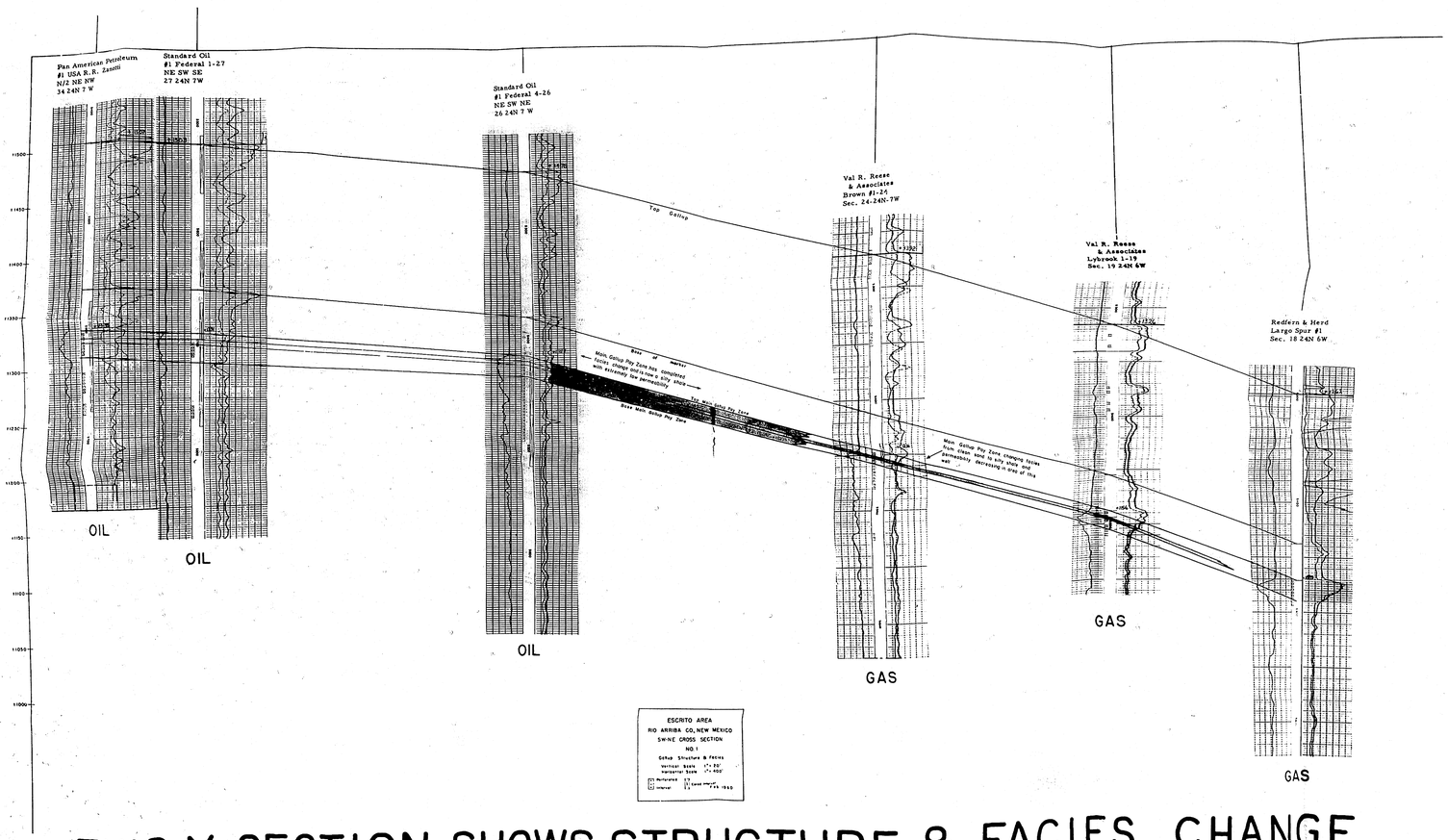
W.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

THIS X-SECTION DOES NOT SHOW STRUCTURE



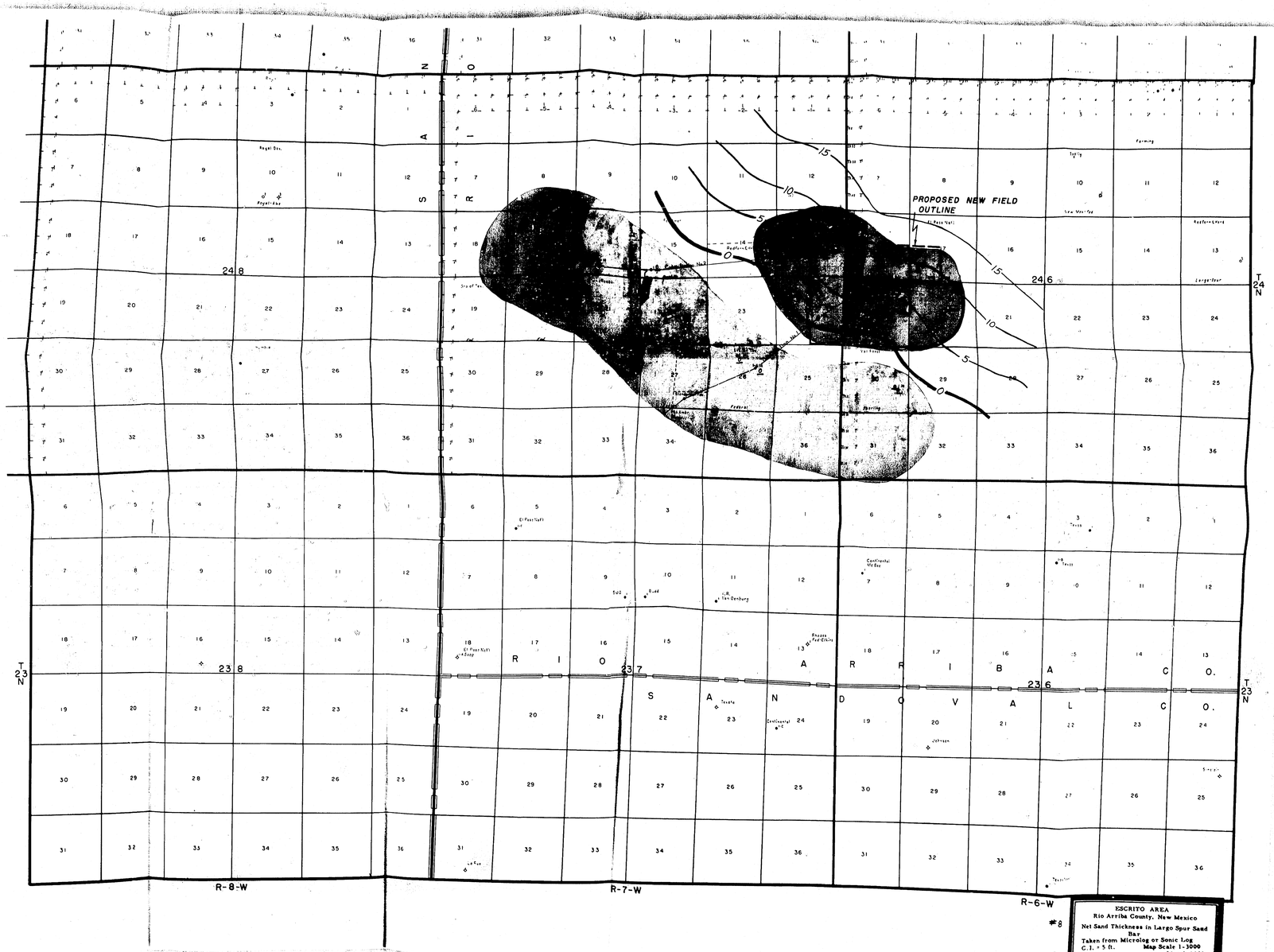
THIS X-SECTION SHOWS STRUCTURE & FACIES CHANGE

U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY



THIS X-SECTION SHOWS STRUCTURE & FACIES CHANGE

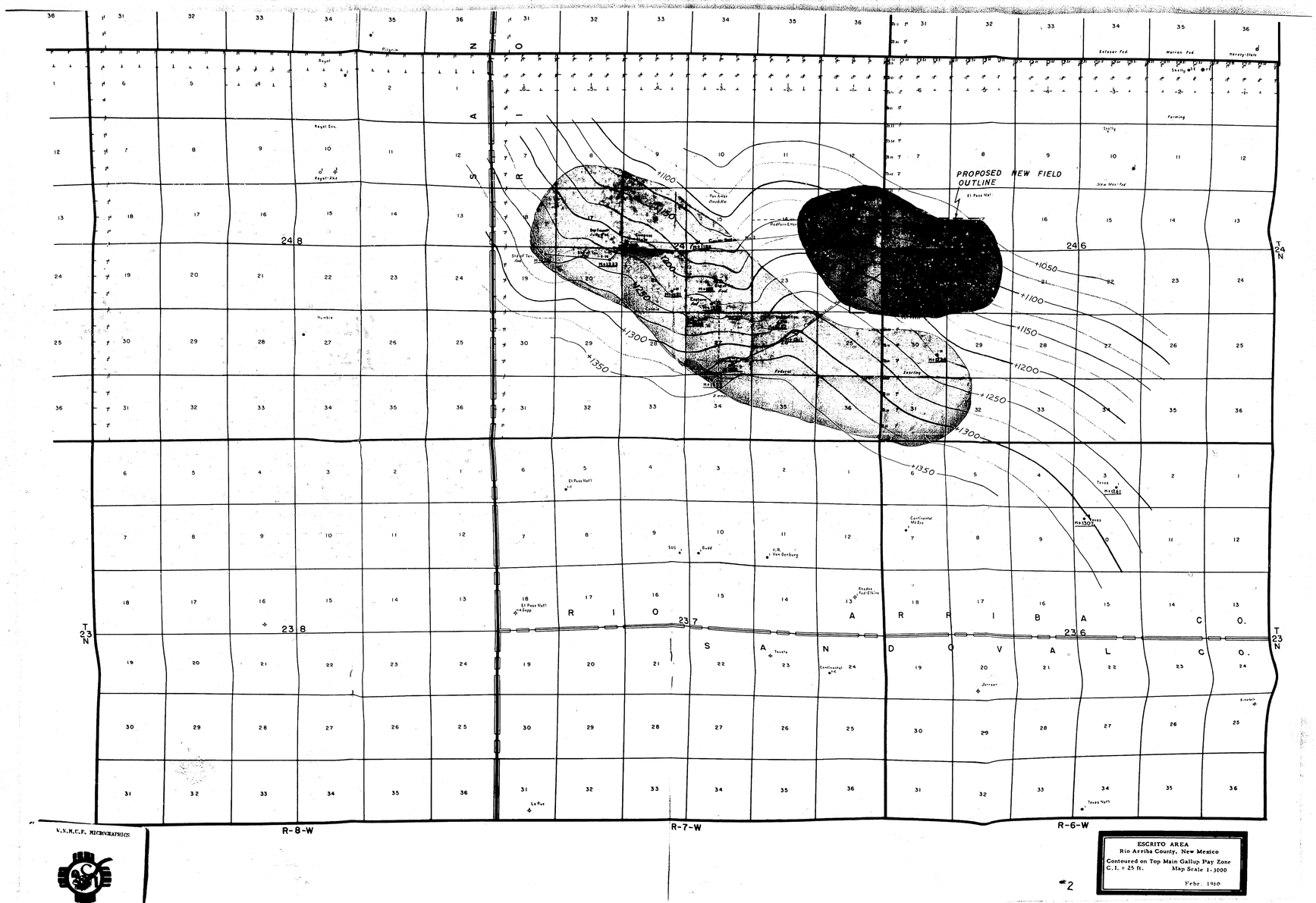
V.R.R.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
Rio Arriba County, New Mexico
Net Sand Thickness in Largo Spur Sand Bar
Taken from Microlog or Sonic Log
C.I. = 5 ft. Map Scale 1-3000
March 1960

#8

N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

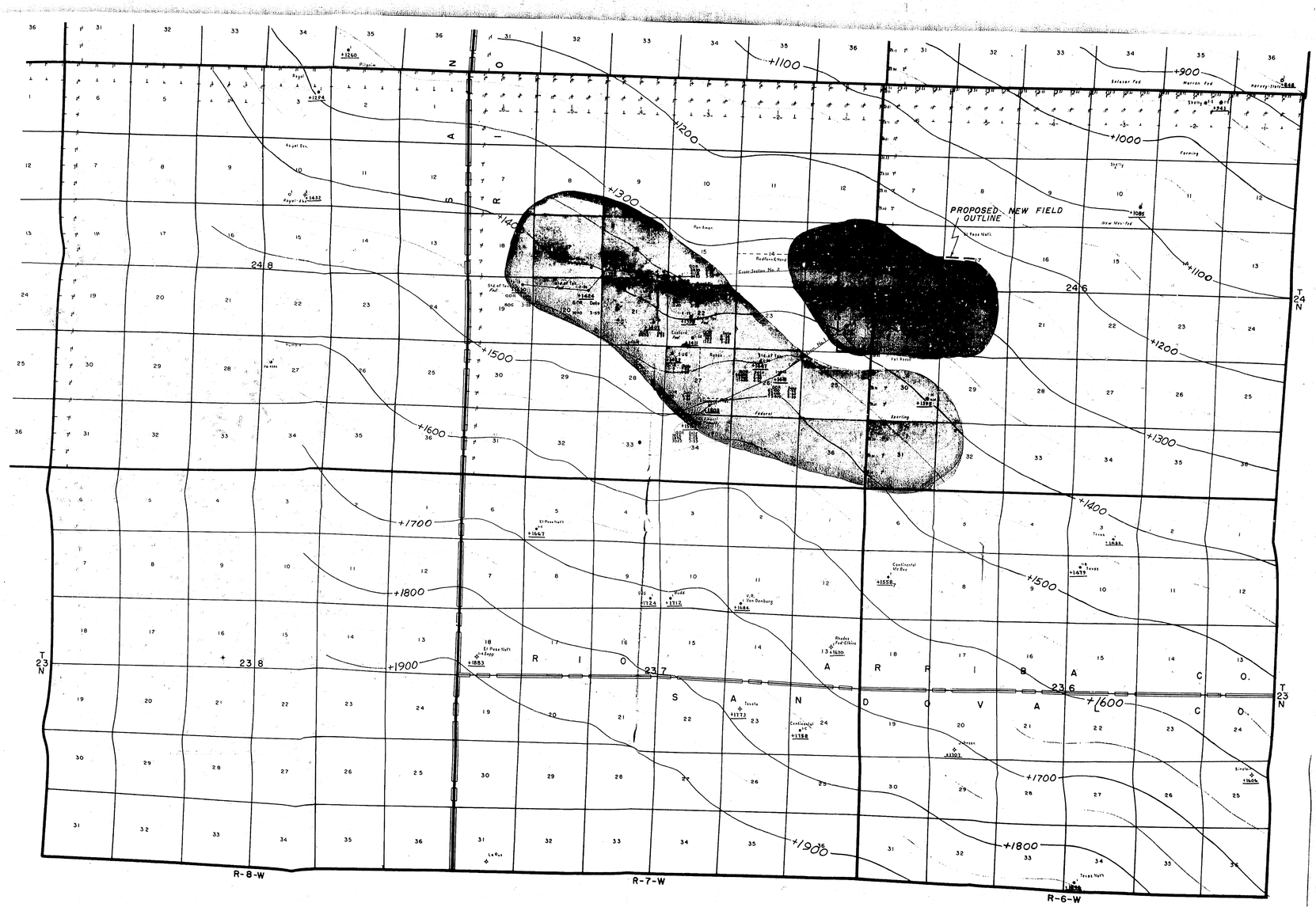


U.N.M.C.P. MICROGRAPHICS

BEST AVAILABLE COPY

ESCRITO AREA
Rio Arriba County, New Mexico
Contoured on Top Main Gallup Pay Zone
C.I. = 25 ft. Map Scale 1-3000
Febr. 1960

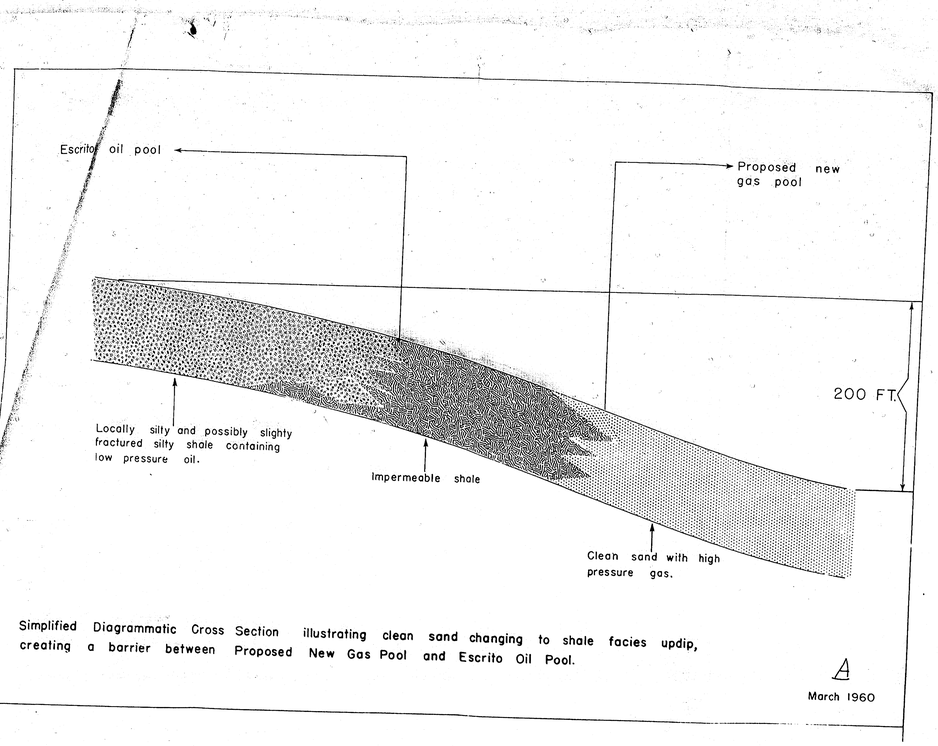
#2



ESCRITO AREA
RIO ARRIBA CO., NEW MEXICO
Contoured on Top Gallup
Contour Interval - 50 Ft.
Map Scale 1 - 3000
Feb. 1960

#1

U.S.R.C.F. MICROGRAPHICS

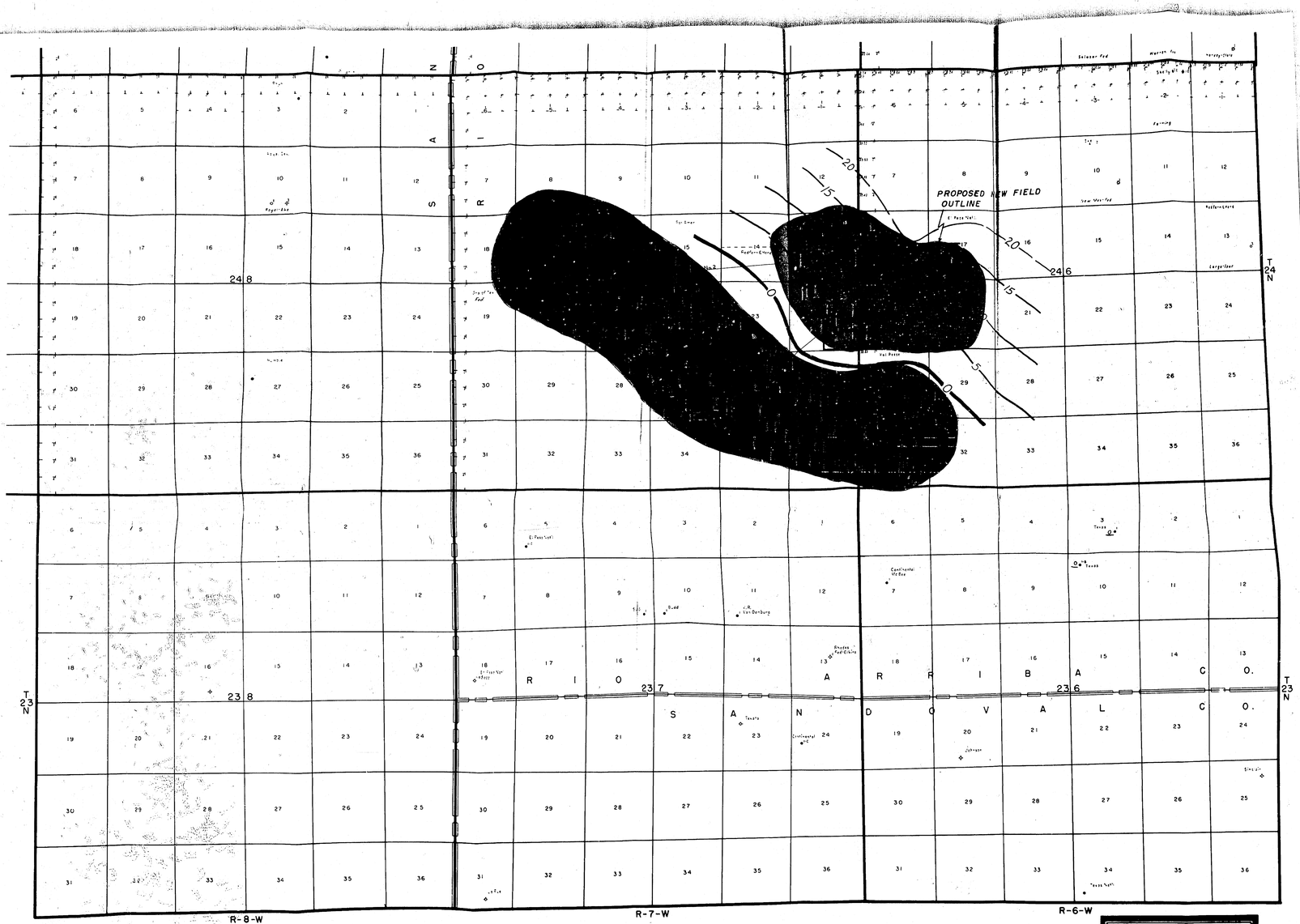


Simplified Diagrammatic Cross Section illustrating clean sand changing to shale facies updip, creating a barrier between Proposed New Gas Pool and Escrito Oil Pool.

A

March 1960

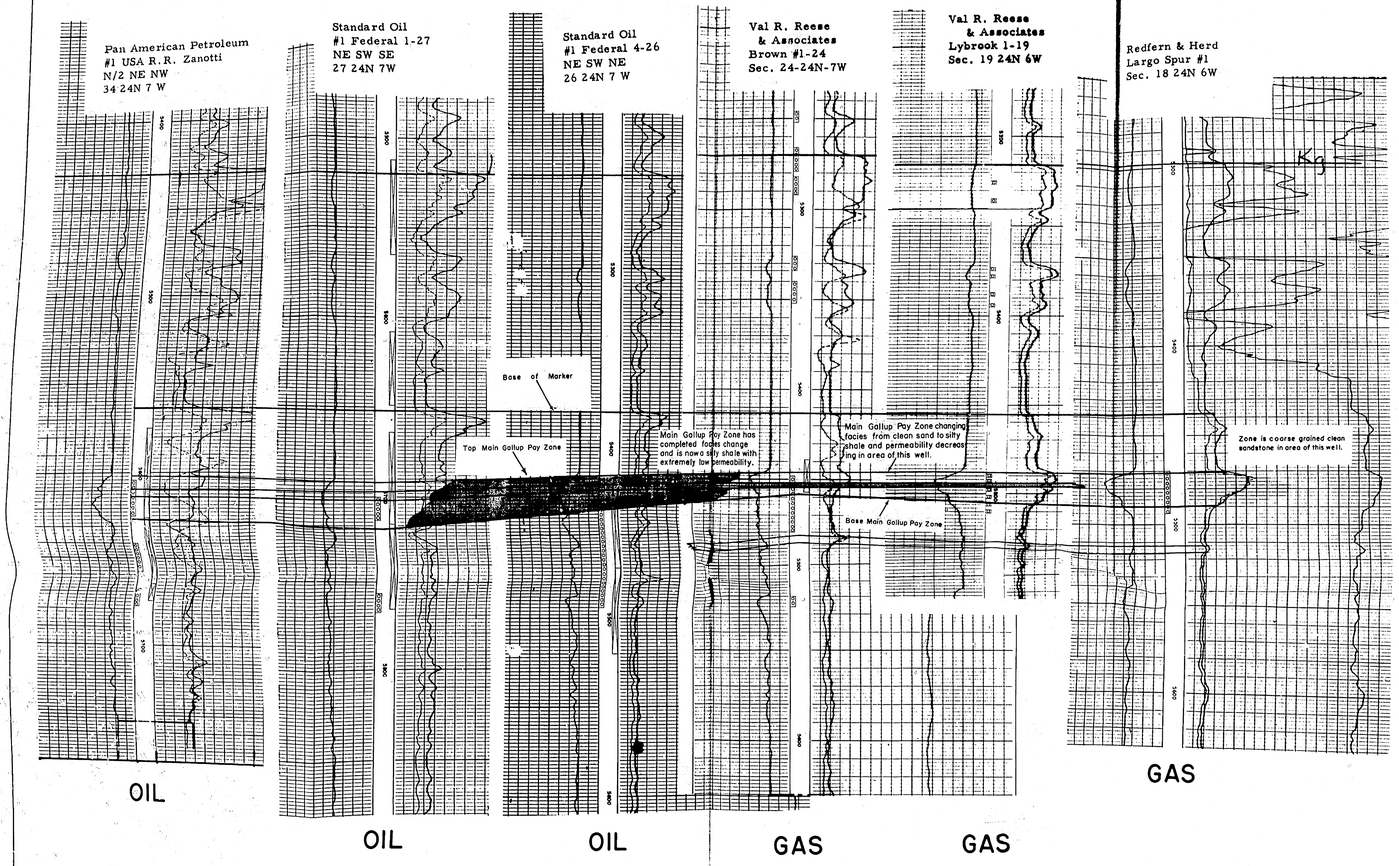
U.S.B.C.P. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
Rio Arriba County, New Mexico
Net Sand Thickness in Large Spur Sand Bar
Taken from ES-Induction Logs
C.I. = 5 ft. Map Scale 1" = 3000
March 1960

#7

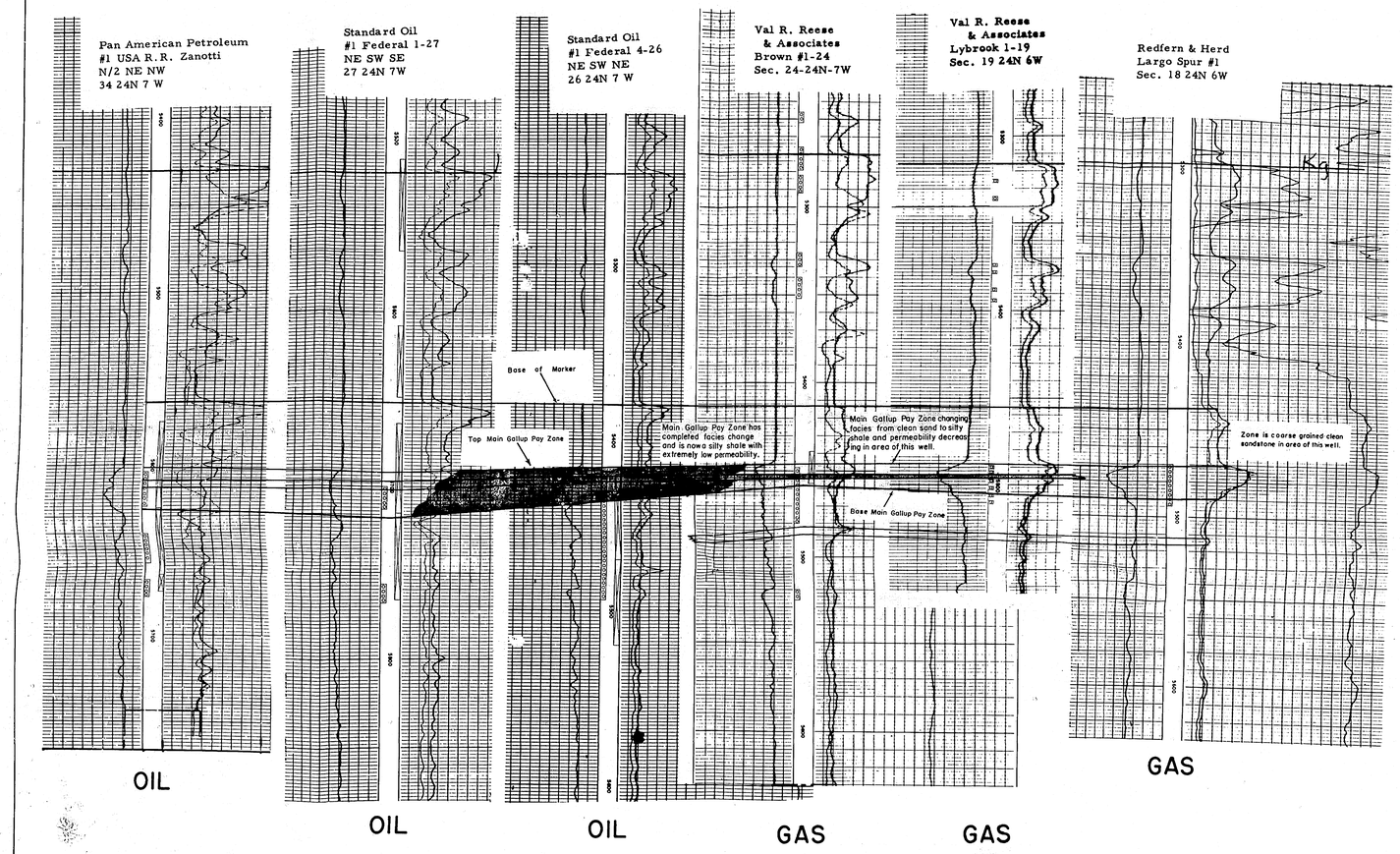
U.S.N.G.F. MICROGRAPHICS
BEST AVAILABLE COPY



ESCRITO AREA
RIO ARRIBA CO, NEW MEXICO
SW-NE CROSS SECTION
NO I-A
Datum line is base of Marker above Main zone. Well logs placed in juxtaposition to show facies change and correlation.
Vertical Scale 1"=20'
No Horizontal Scale
Perforated Interval
Cored Interval
Feb. 1960

V.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

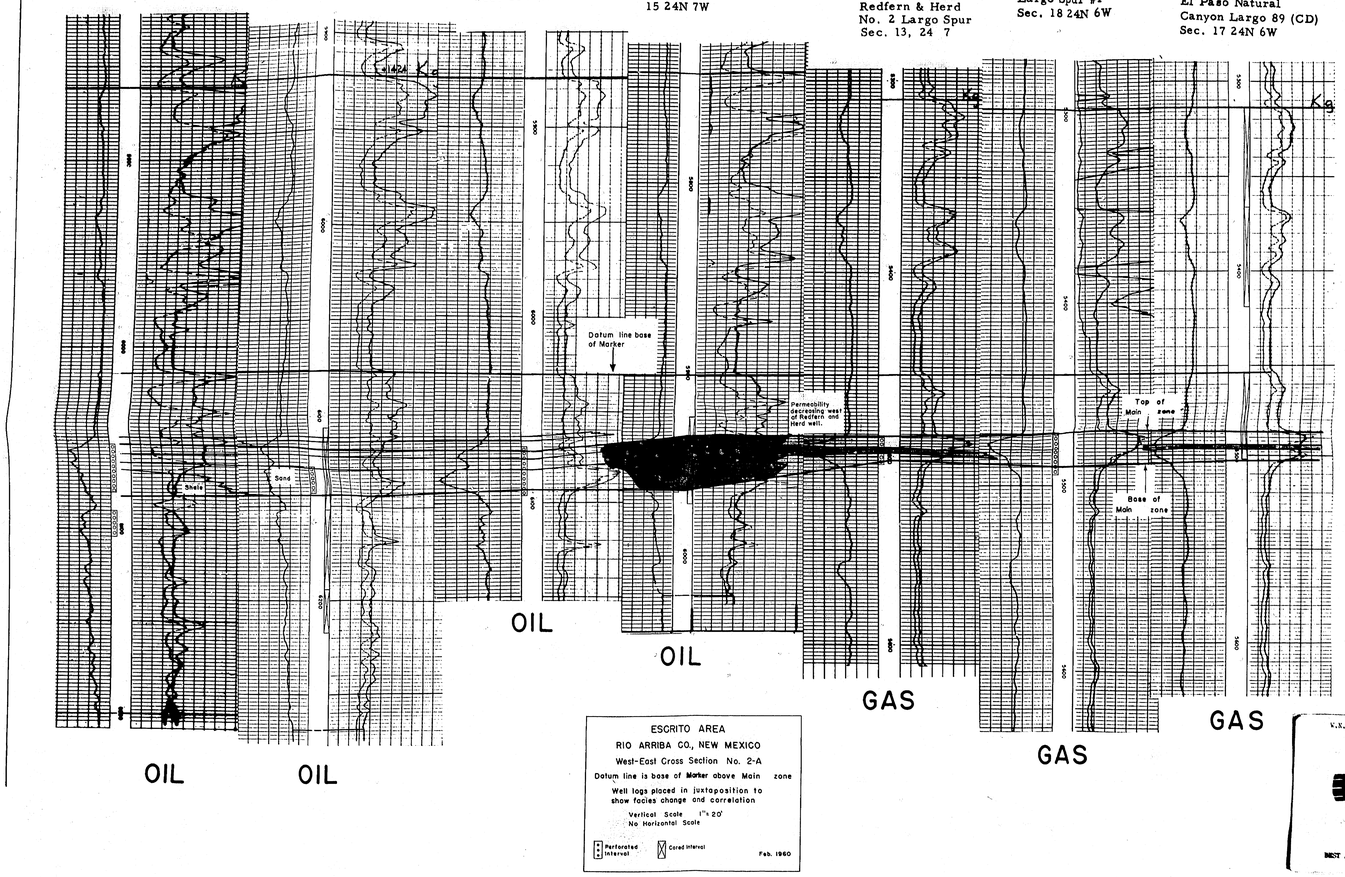
THIS X-SECTION DOES NOT SHOW STRUCTURE



ESCRITO AREA
RIO ARRIBA CO, NEW MEXICO
SW-NE CROSS SECTION
NO I-A
Datum line is base of Marker above Main zone. Well logs placed in juxtaposition to show facies change and correlation.
Vertical Scale 1"=20'
No Horizontal Scale
Perforated Interval
Cored Interval
Feb. 1960

N.M.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

THIS X-SECTION DOES NOT SHOW STRUCTURE



ESCRITO AREA
RIO ARRIBA CO., NEW MEXICO
West-East Cross Section No. 2-A
Datum line is base of Marker above Main zone
Well logs placed in juxtaposition to show facies change and correlation
Vertical Scale 1"= 20'
No Horizontal Scale
Perforated Interval
Cored Interval
Feb. 1960

N.M.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

THIS X-SECTION DOES NOT SHOW STRUCTURE

STANDARD OF TEXAS
FEDERAL 4-26 NO. 1
NE SEC. 26 T24N - R 7 W
ELEV. 6724 D.F.
RIO ARRIBA CO., N.M.
I.P.F. IT 8090

VAL R. REESE
FEDERAL NO. 1-24
SE SEC. 24 T24N - R7W
ELEV. 6662 D.F.
RIO ARRIBA CO., N.M.
1757 MCF/D

E.P.N.G.
CANYON LARGO NO. 89
SW SEC. 17 T24N - R 6W
ELEV. 6572 D.F.
RIO ARRIBA CO., N.M.
NOT COMPLETED

Upper Zone also perf

C

DATUM

C'

3423-50 (Depths are reading off)
This zone is described as shly ss
Averages:- Lignite = 10.5 %
Permeability = 0.72 md/ft
Oil saturation = 28.6 % core space
" = 46.1 " "
Natural productive capacity = 3.3 md/ft (15 ft upper zone)

3439-71 (Depths are corrected to fit log)
Described as shly ss
Averages:- Porosity = 10.9 %
Perm. = 0.24 md/ft
Oil saturation = 32.1 % pore space
H_2O = 41.1 " "
Natural productive capacity = 7.7 md/ft (32 ft)

Sandstone fn-md gr., angular, friable
Poor wt. calc. cem'tg odor, sl bld oil
Averages:- Porosity = 9.98 %
Permeability = 1.35 md/ft
Oil saturation = 16.73 % pore space
H_2O = = 33.29 % " "
Natural productive capacity (24.6 md/ft (18 ft)

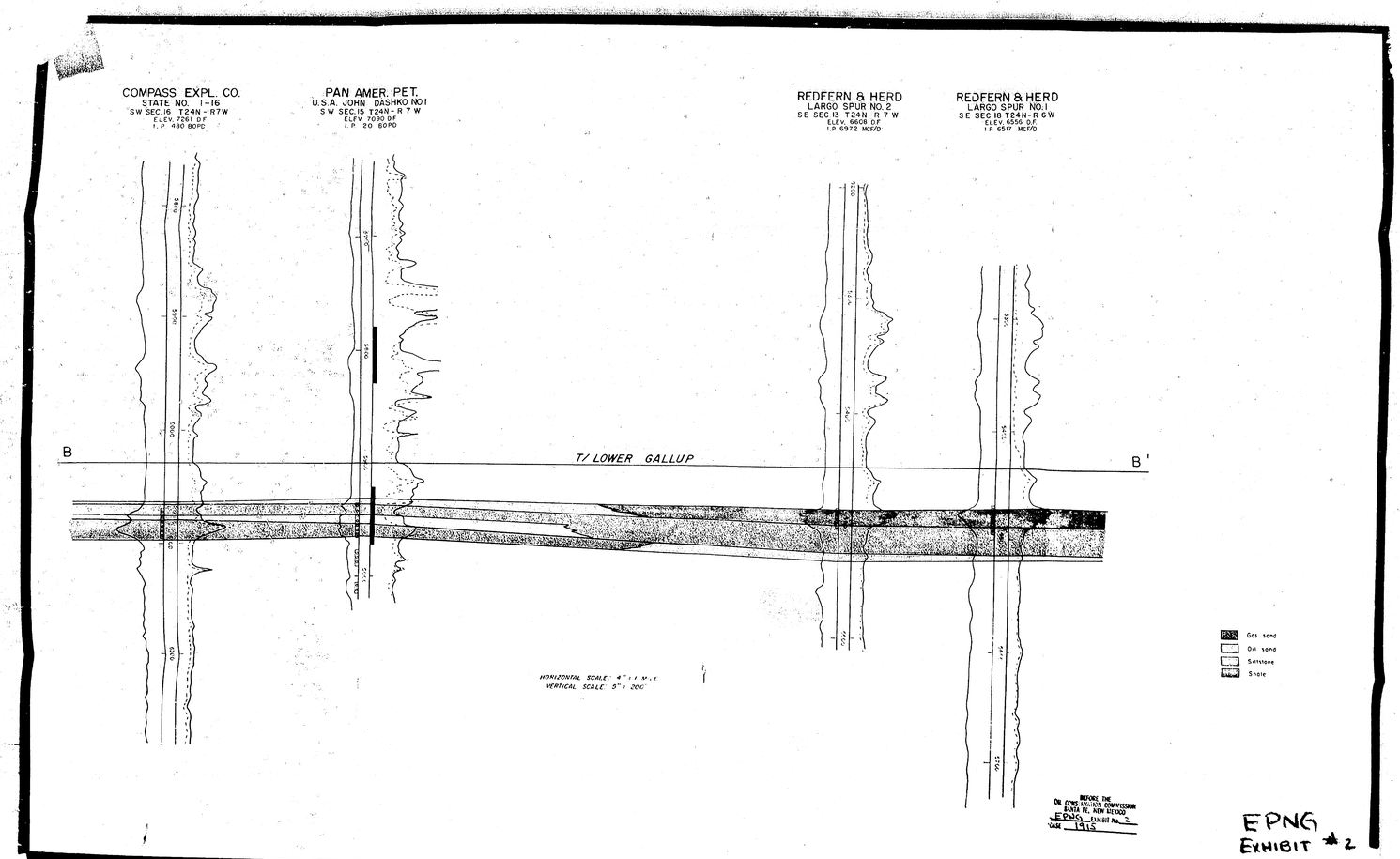
VERTICAL SCALE: 5" = 100'

Gas sand
Siltstone
Shale

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EPNG EXHIBIT NO. 3
CASE 1715

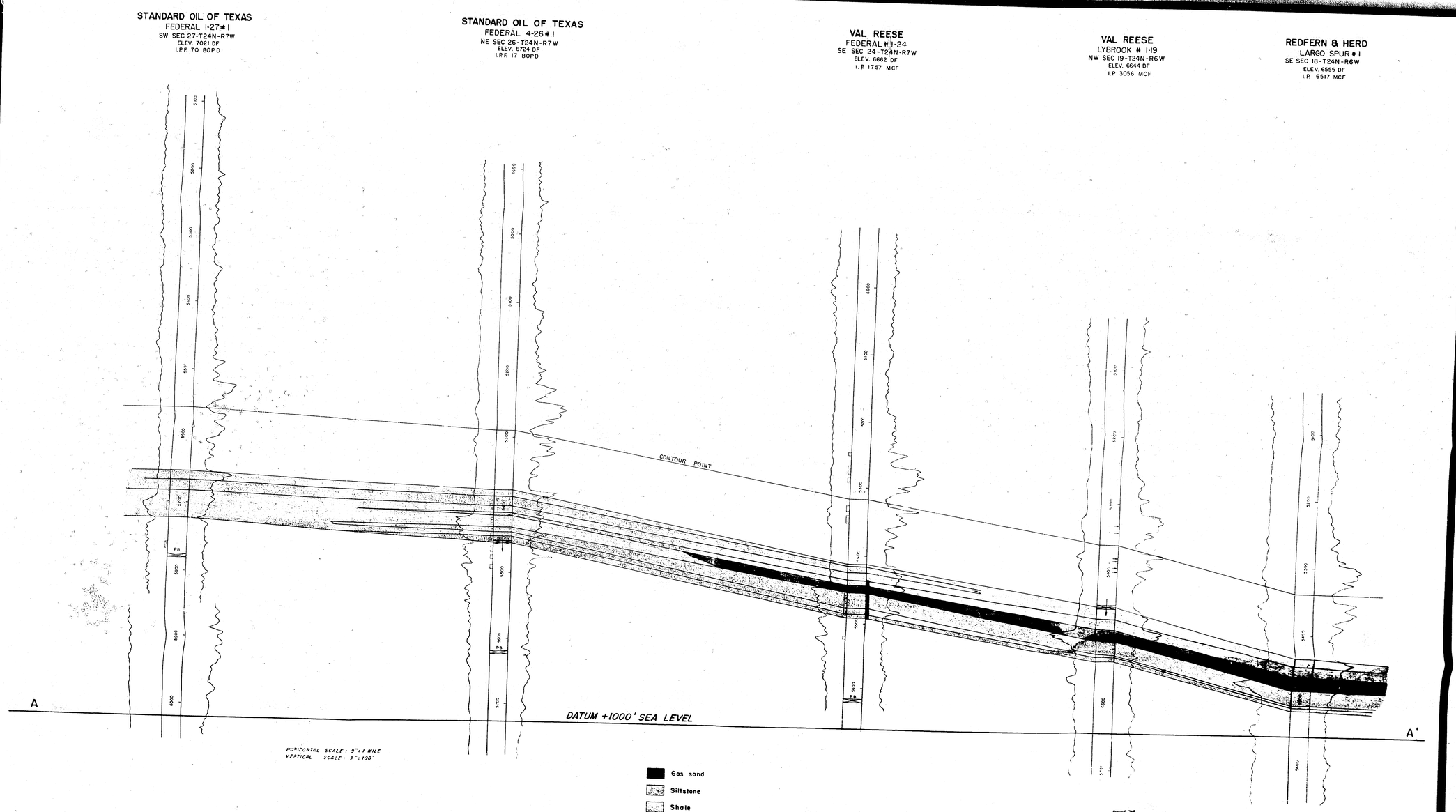
EPNG
EXHIBIT #3

W.R.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



EPNG
EXHIBIT # 2

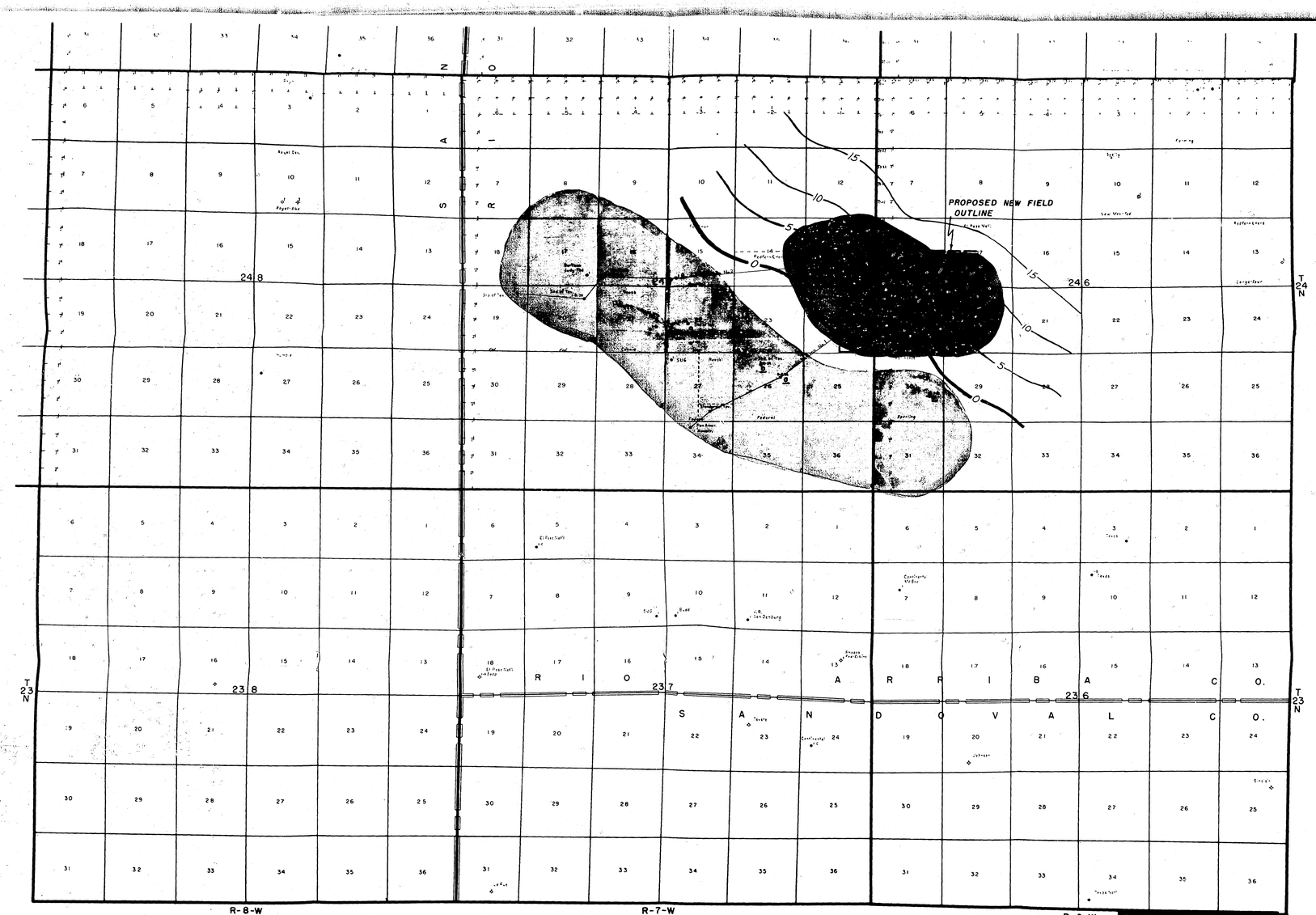
U.N.M.C.F. MICROGRAPHICS
NOT AVAILABLE OFF



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EPNG EXHIBIT No. 1
CASE 1915

EPNG
EXHIBIT # 1

U.S.R.C.F. MICROGRAPHICS



ESCRITO AREA
Rio Arriba County, New Mexico
Net Sand Thickness in Largo Spur Sand Bar
Taken from Microlog or Sonic Log
C.I. = 5 ft. Map Scale 1-3000
March 1960

#8

U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY